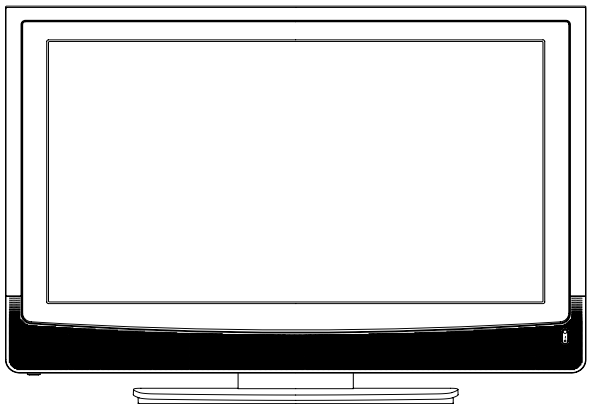
HITACHI

YK | No.024E

SERVICE MANUAL

32LD380TA



The LCD panel made from AUO is used for this product.

Caution

Be sure to read this manual before servicing. To ensure safety from fire, electric shock, injury, harmful radiation and materials, various measures are provided in this Plasma Monitor.
Be sure to read cautionary items described in the manual before servicing.
These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that described in the operating instructions unless you are qualified to do so.

Service Warning

1. Since the Panel Module and the front Filter are made of glass, handling the broken Module and Filter carefully and with caution in order not to receive injury.
2. Replacement work should be started after the Panel Module and the AC/DC Power supply have become sufficiently cool.
3. Special care should be taken when working near the display area in order not to damage its surface.
4. The Panel Module should not be touched with bare hands in order to protect its surface from blemishes and damage.
5. It is recommended that you use clean soft gloves during the replacement work in order to protect not only the display area of the Panel Module but also yourself.

Contents

LOCATION OF CONTROL---------- 3
REMOTE CONTROL---------- 4
GENERAL SPECIFICATIONS ---------- 5
DISASSEMBLY INSTRUCTIONS---------- 11
SERVICE MODE LIST ---------- 13
WHEN REPLACING EEPROM---------- 13
ELECTRICAL ADJUSTMENTS---------- 14
BLOCK DIAGRAM ---------- 17
PRINTED CIRCUIT BOARDS---------- 23
INTERCONNECTION DIAGRAM ---------- 29
MECHANICAL EXPLODED VIEW---------- 30
MECHANICAL REPLACEMENT PARTS LIST------- 33
ELECTRICAL REPLACEMENT PARTS LIST-------- 35

SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT.

LCD Display

January 2006 Digital Media Division

CAUTION FOR SAFETY

Please read this page before repair the monitor.
This page explains to following items for keep the safety of set and prevent to accident during repair work.

● **We explain by symbol at happen the damage or injury when took wrong repair.**

⚠ **Warning**	This symbol means **"possible to die or heavy damage"**
⚠ **Caution**	This symbol means **"possible to damage or something will break"**

● **We made the symbol as below, which are kind of following items.**

⚠	This symbol means **"CAUTION"**
⚠	This symbol means **"POSSIBLE to ELECTRIC SHOCK"**

❗	This symbol means **"MUST"**
⃠	This symbol means **"DO NOT"**

⚠ WARNING

■ **Should be follows to instructions.**

⚠

We indicates to cabinet, chassis and parts by label, which are special attention part.
Please follow to note and [Safety Instructions] of User's Manual.

■ **Prevent the electric shock.**

⚠

Please take care during working because monitor has high voltage part and power supply part.
Possible to die if you touch to these place by miss take.
Please disconnect power plug during overhaul, reassemble or change parts.
You will die or take damage by electric shock if you touch to live part.

■ **Use recommended components.**

❗

Please use to same characteristic component, which is same as previous for your safety and keep reliability especially marked by ⚠ in parts list and circuit diagram.
It is reason of electric shock or fire if you use non-recommended component.

■ **Should be kept same style of wiring or component.**

❗

Monitor uses tubes or tapes, which made by insulator, and some components are keep distance from surface of PWB for safety.
Internal leads kept from hot part or high voltage part by clamper or styling, so please return to original condition for prevent to electric shock or fire.

■ **Should be done safety check after finished.**

❗

Every part (removed screws, component and wiring) should be returned to previous condition.
Check around repair position for make damage by miss take and measure the insulated impedance by meg-ohm meter.
Confirm the value of impedance, that value is more than 4M ohm.
It is reason for electric shock or fire if that value is less than 4M ohm.

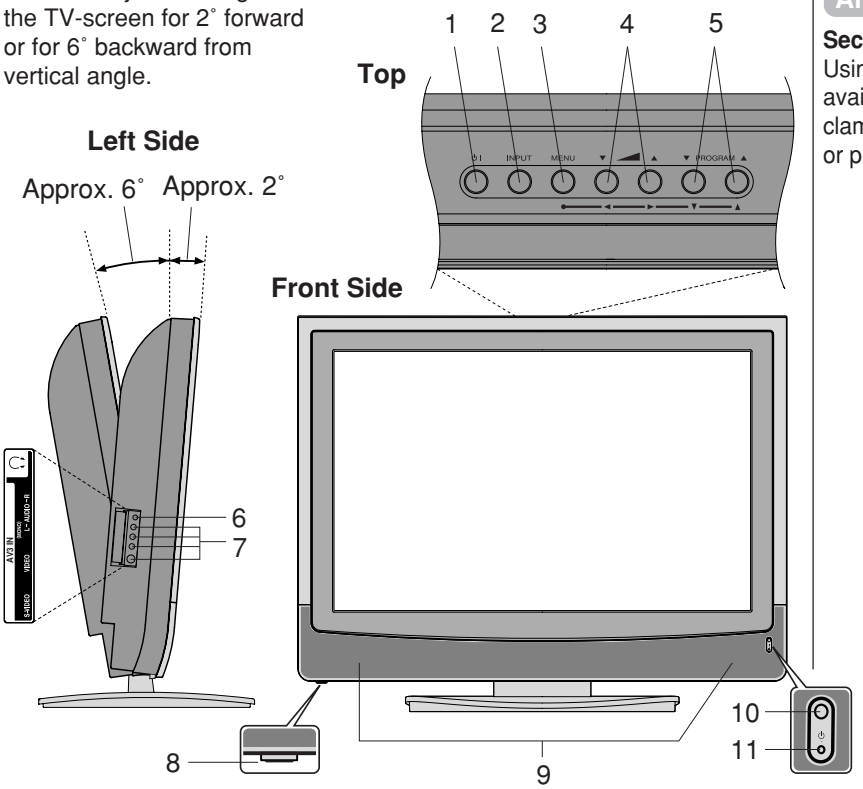
■ **Nobody can check and repair to the code and combination circuit of HDCP.**

⃠

Never remove the shield case, which is assembled to the code and combination circuit of HDCP.

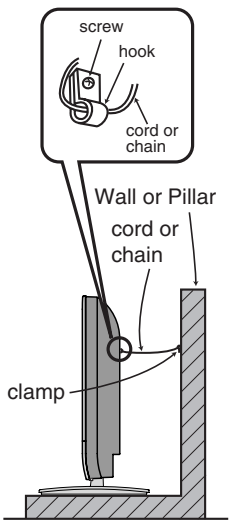
Location of controls

You can adjust the angle of the TV-screen for 2˚ forward or for 6˚ backward from vertical angle.



Anti-Tumble Measure

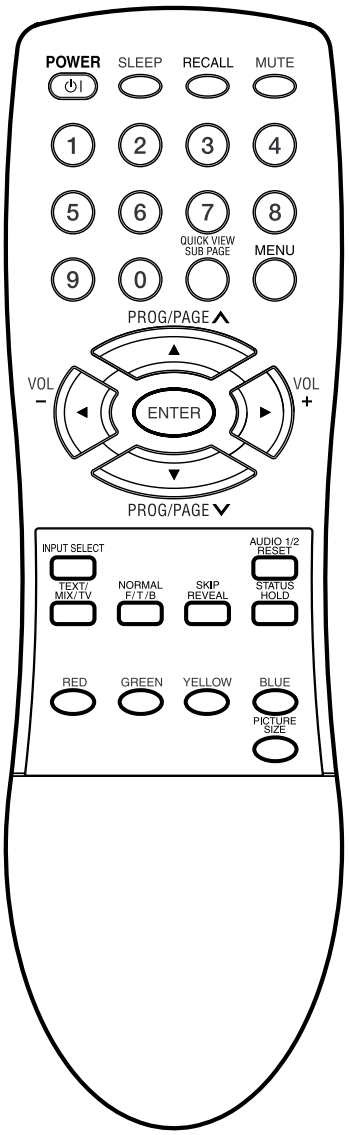
Securing to a wall or pillar
Using a commercially available cord, chain, and clamp, secure the set to a wall or pillar.



Description of Indicators and Controls

1. **⏻ I (SUB-POWER) button:** To turn the unit standby mode on and off.
2. **INPUT-button:** Select input mode for TV/AV/COMPONENT/HDMI/PC.
3. **MENU-button:** To display the menu-screen.
4. **VOLUME ◢ ▲/▼ buttons :** To adjust the volume. In Menu : Setting.
5. **PROGRAM ▲/▼ buttons:** Press ▲ to change to a higher numbered channel set into memory. Press ▼ to change to a lower numbered channel set into memory. In Menu : Setting. In Standby : Turning on the unit.
6. **HEADPHONES jack:** Plug headphones with a mini plug (3.5 mm) into this jack.
7. **AV3-Input:** Input for analogue A/V-Signal (Composite). If your equipment has an S-video connector, use an S-video cable instead of a standard yellow video cable (You still must connect the standard red and white audio cables for full system connection, but do not connect a standard yellow video cable at the same time or the picture performance will be unacceptable.)
8. **Main Power Switch:** To turn the unit on or off completely.
9. **Loudspeakers**
10. **Remote sensor**
11. **STANDBY/ON mode indicator:** It lights up in red at STANDBY, and in green at POWER ON.

Remote Control



	Function
POWER	Turn the unit on or off
SLEEP	Sleep-Timer
RECALL	Display program position number
MUTE	Turn the sound on/off
0 ~ 9	Select channel Select Teletext page Enter Password
QUICK VIEW SUB PAGE	Switches between the present channel and the last selected channel Sub Page selection
MENU	Call Menu
PROG/PAGE ^ PROG/PAGE v	Select TV-channel or Teletext page step by step In Menu: Setting In Standby: Turning on the unit
VOL − VOL +	Volume In Menu: Setting
ENTER	Memorize
INPUT SELECT	Select input source
AUDIO 1/2 RESET	Two Channel-Sound AUDIO 1/2 selector Teletext page 100
TEXT/ MIX/TV	Teletext ON/ Mix/ OFF
NORMAL F/T/B	Reset Sound/Picture Teletext enlargement
SKIP REVEAL	Program position-skipping Answer a Quiz
STATUS HOLD	Teletext-Timer display Hold the text page
RED GREEN YELLOW BLUE	Fastext/TOPtext buttons
PICTURE SIZE	Select picture format

GENERAL SPECIFICATIONS

G-1	**TV System**	LCD	LCD Size / Visual Size		31.5 inch / 800.4mmV
			LCD Type		Color TFT LCD
			Number of Pixels(H x V)		1366(H) x 768(V)
			View Range	Left/Right	85/85 degree
				Up/Down	85/85 degree
		Color System			PAL/SECAM/NTSC
		Speaker			2 Speaker
			Position		Front
			Size		2.2 x 5.0 inch
			Impedance		4 ohm
		Sound Output	MAX		10W + 10W
			10%(Typical)		---
		NTSC3.58+4.43 /PAL60Hz			Yes
G-2	**Tuning System**	Broadcasting System			U.K., CCIR, US System B/G, D/K, I/I, M
		Tuner and Receive CH	System		1Tuner
			Destination		UK, CCIR Hyper, USA
			CH Coverage		1~S6, S7~S36, S37~E69
		Intermediate Frequency			PAL/SECAM(U&VH)/NTSC
			Picture(FP)		38.9/38.9/38.9/38.9MHz
			Sound(FS)		33.4/32.9/32.4/34.4MHz
			FP-FS		5.5/6.0/6.5/4.5MHz
		Auto Tuning Method			ALL Band (Not C.C.I.R. CH Plan)
		Preset CH			110
		Stereo/Dual TV Sound			NICAM/A2 Dual
		Tuner Sound Muting			Yes
G-3	**Power**	Power Source	AC		100-240V AC 50/60Hz
			DC		---
		Power Consumption		at AC	150 W at AC 100-240 V 50/60 Hz
				at DC	--
			Stand by (at AC)		1 W at AC 100-240 V 50/60 Hz
			Per Year		-- kWh/Year
			Energy Star		Yes
		Protector	Power Fuse		Yes
			Safety Circuit		Yes
			IC Protector(Micro Fuse)		Yes
G-4	**Regulation**		Safety		IEC60065,GOST, CB, AS/NZS, PSB
			Radiation		CISPR, GOST, AS/NZS
			X-Radiation		---
G-5	**Temperature**		Operation		+5oC ~ +40oC
			Storage		-20oC ~ +60oC
G-6	**Operating Humidity**				Less than 80% RH

GENERAL SPECIFICATIONS

G-7	**On Screen Display**	Menu (TV)			Yes	
			Menu Type		Icon	
			Picture		Yes	
				Brightness	Yes	
				Contrast	Yes	
				Color	Yes	
				Tint (NTSC Only)	Yes	
				Sharpness	Yes	
				DNR On/Off	Yes	
				Color Temperature	Yes	
				Blue Back		No
				Film Mode	Yes	
			Audio		Yes	
				NICAM Auto/Off	Yes	
				Bass	Yes	
				Treble	Yes	
				Balance	Yes	
				Perfect Volume	Yes	
				Surround On/Off		No
				Speakers On/Off	Yes	
				HDMI	Yes	
				BBE		No
				WOW SRS 3D	Yes	
				WOW Focus	Yes	
				WOW Trubass	Yes	
			Setup		Yes	
				Auto Tuning	Yes	
				Manual Tuning	Yes	
				Sort(CH Allocation)	Yes	
				Backlight	Yes	
				Text Language	Yes	
				Language	Yes	
				Position (Vertical Position)	Yes	
				Auto 4:3 Default		No
				AV2 Output		No
				AV2 Input		No
				Color System(AV Color)	Yes	
				Inversion		No
				Screen Wipe(Full White)		No
				Screen Saver		No
				Static Image		No
			Option		Yes	
				On Timer	Yes	
				Off Timer	Yes	
				Panel Lock	Yes	
		Menu (PC)			Yes	
			Picture		Yes	
				Brightness	Yes	
				Contrast	Yes	
				HOR Position	Yes	
				VER Position	Yes	
				Clock Phase	Yes	
				Horizontal Clock	Yes	
				AUTO ADJUST		No
				Amplitude Red	Yes	
				Amplitude Green	Yes	
				Amplitude Blue	Yes	
				WXGA Mode	Yes	
				WVGA Mode	Yes	
			Audio		Yes	
				NICAM Auto/Off		No
				Bass	Yes	
				Treble	Yes	
				Balance	Yes	
				Perfect Volume	Yes	
				Surround On/Off		No
				Speakers On/Off	Yes	
				HDMI	Yes	
				BBE		No
				WOW SRS 3D	Yes	
				WOW Focus	Yes	
				WOW Trubass	Yes	

GENERAL SPECIFICATIONS

		Control Level		Yes
			Volume	Yes
			Brightness	Yes
			Contrast	Yes
			Color	Yes
			Tint (NTSC Only)	Yes
			Sharpness	Yes
			Tuning	Yes
			Bass	Yes
			Treble	Yes
			Balance	Yes
			HOR Position	Yes
			VER Position	Yes
			Clock Phase	Yes
			Horizontal Clock	Yes
			Amplitude Red	Yes
			Amplitude Green	Yes
			Amplitude Blue	Yes
			Backlight	Yes
		Nicam ST		Yes
		Tone 1/2		Yes
		Pin Code		No
		Freeze		No
		CH/AV/PC		Yes
		Hotel Lock		No
		Wide Mode		Yes
		Sleep Timer		Yes
		Sound Mute		Yes
		Input Select		Yes
		NOT AVAILABLE		Yes
G-8	**OSD Language**			English / Chinese(Simplified) / Chinese(Traditional) / Russia
G-9	**Clock and Timer**	Sleep Timer	Max Time	120 Min
			Step	10 Min
		On/Off Timer	Program(On Timer / Off Timer)	1 Program
		Wake Up Timer		No
		Timer Back-up (at Power Off Mode)	more than	-- Min Sec

GENERAL SPECIFICATIONS

G-10	**Remote Control**	Unit		RC-MA
		Glow in Dark Remocon		No
		Remocon Format		HITACHI
		Format		HITACHI
		Custom Code		50-AF h
		Power Source	Voltage(D.C)	3V
			UM size x pcs	UM-4 x 2 pcs
		Total Keys		32
		Keys	Power (Stand By)	Yes
			1	Yes
			2	Yes
			3	Yes
			4	Yes
			5	Yes
			6	Yes
			7	Yes
			8	Yes
			9	Yes
			0	Yes
			Volume Up / Right	Yes
			Volume Down / Left	Yes
			Sleep	Yes
			Recall (CH Call)	Yes
			Menu	Yes
			Enter	Yes
			Mute	Yes
			Picture Size	Yes
			Fine Tuning +	No
			Fine Tuning -	No
			Input Select	Yes
			Multi Picture	No
			Picture Position	No
			Picture Main/Sub	No
		T'TEXT Keys	TEXT / MIX / TV	Yes
			CH Up / Page Up / Up	Yes
			CH Down / Page Down / Down	Yes
			Red	Yes
			Green	Yes
			Yellow	Yes
			Blue	Yes
			F/T/B(Expand) / Normal	Yes
			Reveal / Skip	Yes
			Reset / Audio 1/2	Yes
			Hold / Status	Yes
			Sub Page / Quick View	Yes

GENERAL SPECIFICATIONS

G-11	**Features**	Auto Shut Off		Yes
		BBE		No
		SRS WOW(SRS 3D/Focus/Tru Bass)		Yes
		Variable Audio Out		Yes
		Auto Search		Yes
		CH Sort(CH Allocation)		Yes
		Channel Lock		No
		Just Clock Function		No
		Game Position		No
		CH Label		No
		T'Text		Yes
			Text type	Fastext / Toptext
			Text Language	English , French, Swedish, Hungarian Finnish, Turkish, German, Dutch Portuguese, Spanish, Italian, Greek Polish, Russian, Bulgarian, Serbian, Croatian, Slovene, Czech, Slovakian, Rumanian.
		Wide Mode		Yes
		Picture Scroll		Yes
		DNR		Yes 3D
		Comb Filter		Yes 5 Lines
		Surround		No
		Backlight		Yes
		Perfect Volume(Stable Sound)		Yes
		PFC(Power Factor circuit)		Yes
		Auto Set Up		No
		Power On Memory		Yes
		Hotel Lock		No
		PC Monitor Input		Yes
		Freeze frame		No
G-12	**Accessories**	Owner's Manual	Language	English / Chinese(Simplified) / Chinese(Traditional) / Russia
			w/Guarantee Card	No
		Remote Control Unit		Yes
		Rod Antenna		No
			Poles	-
			Terminal	-
		Loop Antenna (W/ Antenna Change Plug)		No
			Terminal	-
		U/V Mixer		No
		DC Car Cord (Center+)		No
		Guarantee Card		No
		Warning Sheet		No
		Circuit Diagram		No
		Antenna Change Plug		No
		Service Facility List		No
		Important Safeguard		No
		Dew/AHC Caution Sheet		No
		Quick Set-up Sheet		No
		Battery		Yes
			UM size x pcs	UM-4 x 2 pcs
			OEM Brand	Yes(Maxell)
		AC Adapter		No
		AC Cord (for AC Adapter)		No
		AC Cord		Yes
		AV Cord (2Pin-1Pin)		No
		HDMI-DVI Cable		No
		Registration Card		No
		300 ohm to 75 ohm Antenna Adapter		No

GENERAL SPECIFICATIONS

G-13	**Interface**	Switch	Front	Sub Power (Tact)	Yes
				System Select	No
				Main Power SW	Yes
				Channel Up/Menu Up	Yes
				Channel Down/Menu Down	Yes
				Volume Up/Menu >	Yes
				Volume Down/Menu <	Yes
				Input Select	Yes
				Menu	Yes
		Indicator		Power / Stand-by	Yes(GREEN / RED)
				On Timer	No
		Terminals	Rear	Video Input 1	RCA x 1
				Audio Input	RCA x 2(L/MONO, R)
				S- Input	Yes
				Video Input 2	RCA x 1
				Audio Input	RCA x 2(L/MONO, R)
				S- Input	Yes
				Video Output	RCA x 1
				Audio Output	RCA x 2(Variable L, R)
				Component In 1	RCA x 3
				Audio Input (Component In use)	RCA x 2(L/MONO, R)
				Component In 2	RCA x 3
				Audio Input (Component In use)	RCA x 2(L/MONO, R)
				Other Terminal	No
				Euro Scart (21Pin)	No
				HDMI Input(w/ Analog Audio L/R)	Yes
				Sub Woofer Out	Yes
				PC Monitor Input (D-Sub)	Yes
				Audio Input	Mini Pin Jack(Φ3.5), STEREO
				Diversity	No
				Ext Speaker	No
				DC Jack 12V(Center +)	No
				VHF/UHF Antenna Input	DIN Type
				AC Inlet	Yes
			Side	Video Input 3	RCA x 1
				Audio Input	RCA x2(L/MONO,R)
				S- Input	Yes
				Other Terminal	Headphone
G-14	**Set Size**			Approx. W x D x H (mm)	822 x 332.5 x 604
				w/o Stand,Handle Approx. W x D x H (mm)	822 x 115 x 556.5
G-15	**Weight**			Net Approx.	19.0kg (41.9 lbs)
				Net w/o Stand,Handle Approx.	16.5kg (36.4 lbs)
				Gross Approx.	23.0kg (50.7 lbs)
G-16	**Carton**	Master Carton			No
				Content	--- Sets
				Material	--- / ---
				Dimensions W x D x H(mm)	---
				Description of Origin	---
			Gift Box	Material	Double/Brown
				Dimensions W x D x H(mm)	917 x 441 x 720
				Design	As per Buyer's
				Description of Origin	No
			Drop Test		Natural Dropping At 1 Corner / 3 Edges / 6 Surfaces
				Height (cm)	46
		Container Stuffing			201 Sets/40' container
G-17	**Material**		Cabinet	Cabinet Front	PS 94V0 Non-Halogen
				Cabinet Rear	PS 94V0 Non-Halogen
			PCB	Non-Halogen	No
				Eyelet	Yes
G-18	**Environment**	Environmental standard requirement			Green procurement of HITACHI
		Pb-free			Phase3(Phase3A)
		WEEE			No

DISASSEMBLY INSTRUCTIONS

1. REMOVAL AND INSTALLATION OF FLAT PACKAGE IC

REMOVAL

1. Put Masking Tape (cotton tape) around the Flat Package IC to protect other parts from any damage. **(Refer to Fig. 1-1.)**

   NOTE

   Masking is carried out on all the parts located within 10 mm distance from IC leads.

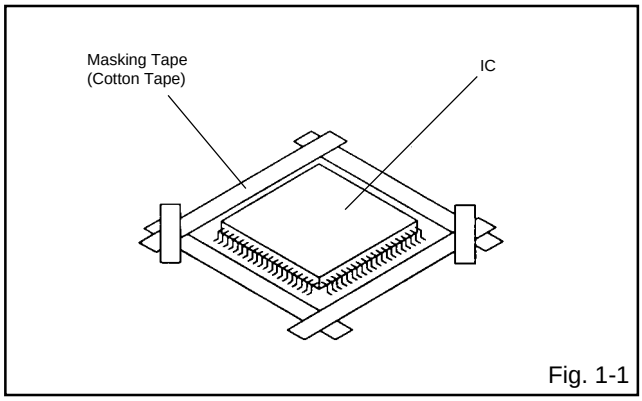


Fig. 1-1

2. Heat the IC leads using a blower type IC desoldering machine. **(Refer to Fig. 1-2.)**

   NOTE

   Do not rotate or move the IC back and forth , until IC can move back and forth easily after desoldering the leads completely.

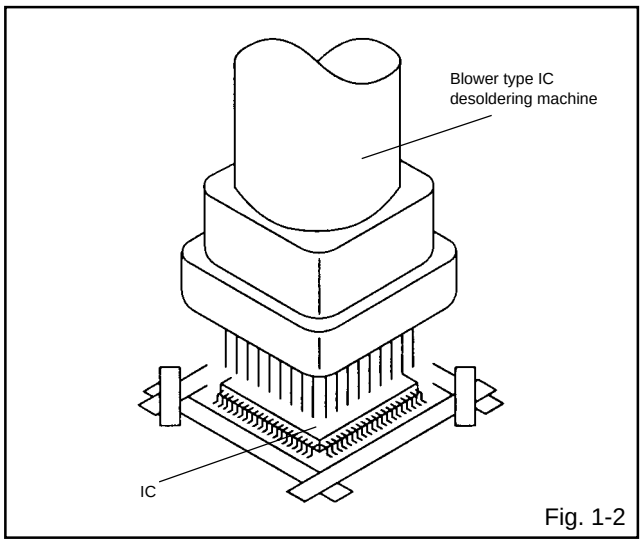


Fig. 1-2

3. When IC starts moving back and forth easily after desoldering completely, pickup the corner of the IC using tweezers and remove the IC by moving with the IC desoldering machine. **(Refer to Fig. 1-3.)**

   NOTE

   Some ICs on the PCB are affixed with glue, so be careful not to break or damage the foil of each IC leads or solder lands under the IC when removing it.

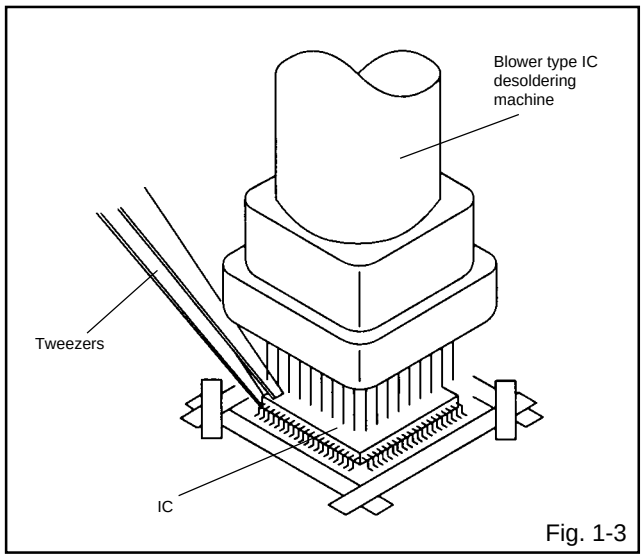


Fig. 1-3

4. Peel off the Masking Tape.

5. Absorb the solder left on the pattern using the Braided Shield Wire. **(Refer to Fig. 1-4.)**

   NOTE

   Do not move the Braided Shield Wire in the vertical direction towards the IC pattern.

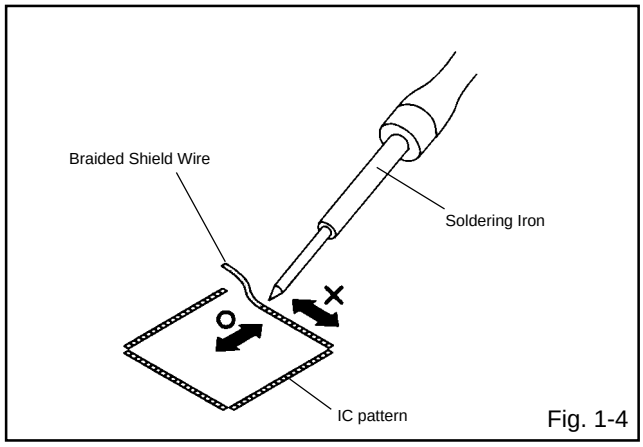


Fig. 1-4

DISASSEMBLY INSTRUCTIONS

INSTALLATION

1. Take care of the polarity of new IC and then install the new IC fitting on the printed circuit pattern. Then solder each lead on the diagonal positions of IC temporarily. **(Refer to Fig. 1-5.)**

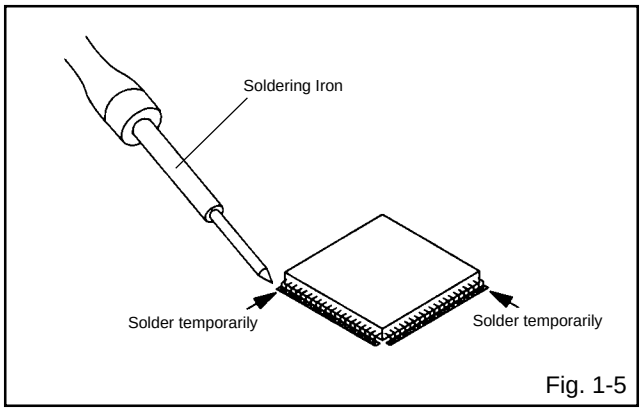


Fig. 1-5

2. Supply the solder from the upper position of IC leads sliding to the lower position of the IC leads. **(Refer to Fig. 1-6.)**

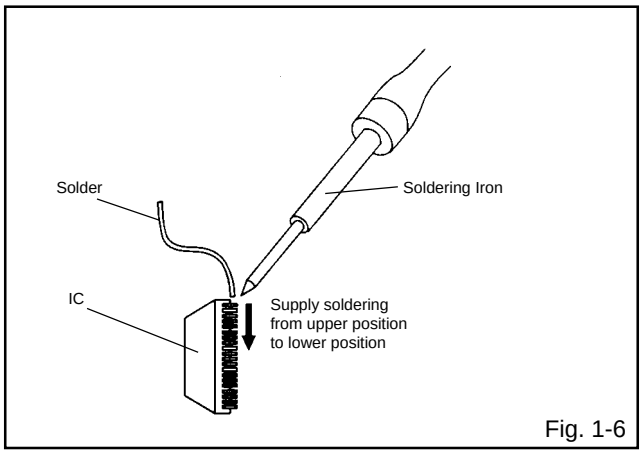


Fig. 1-6

3. Absorb the solder left on the lead using the Braided Shield Wire. **(Refer to Fig. 1-7.)**

   NOTE

   Do not absorb the solder to excess.

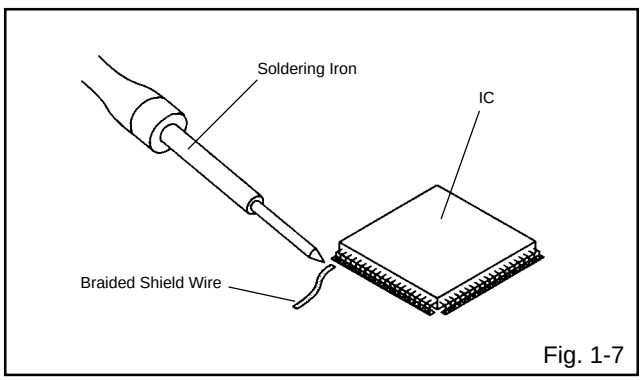


Fig. 1-7

4. When bridge-soldering between terminals and/or the soldering amount are not enough, resolder using a Thin-tip Soldering Iron. **(Refer to Fig. 1-8.)**

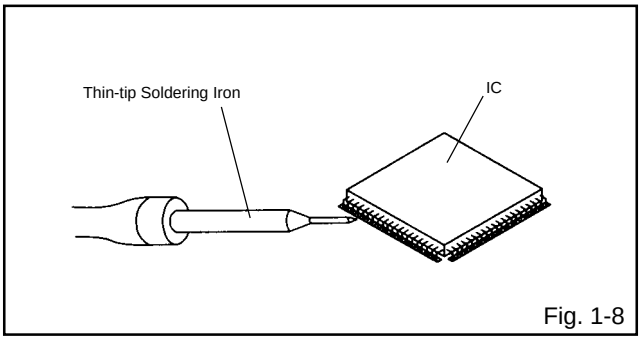


Fig. 1-8

5. Finally, confirm the soldering status on four sides of the IC using a magnifying glass.
   Confirm that no abnormality is found on the soldering position and installation position of the parts around the IC. If some abnormality is found, correct by resoldering.

   NOTE

   When the IC leads are bent during soldering and/or repairing, do not repair the bending of leads. If the bending of leads are repaired, the pattern may be damaged. So, always be sure to replace the IC in this case.

SERVICE MODE LIST

This unit is provided with the following SERVICE MODES so you can repair, examine and adjust easily.

To enter to the SERVICE MODE function, press and hold both buttons simultaneously on the main unit and on the remote control for more than the standard time in the appropriate condition. (See below chart.)

Set Condition	Set Key	Remocon Key	Standard Time	Operations
TV mode	VOL. DOWN (Minimum)	0	2 sec.	Reset the user setting items (PICTURE, VOLUME and LANGUAGE) to the initial state for delivery. Password is released.
TV mode	VOL. DOWN (Minimum)	1	2 sec.	Initialization of factory TV data. NOTE: If you set factory initialization, the memories are reset such as the channel setting, and the POWER ON total hours.
TV mode	VOL. DOWN (Minimum)	2	2 sec.	Check of the SUM DATA and MICON VERSION on the screen. Refer to the "CONFIRMATION OF CHECK SUM, POWER ON TOTAL HOURS AND MICON VERSION".
TV mode	VOL. DOWN (Minimum)	6	2 sec.	POWER ON total hours are displayed on the screen. Refer to the "CONFIRMATION OF CHECK SUM, POWER ON TOTAL HOURS AND MICON VERSION" Can be checked of the INITIAL DATA of MEMORY IC. Refer to the "WHEN REPLACING EEPROM (MEMORY) IC".
ALL mode	VOL. DOWN (Minimum)	9	2 sec.	Display of the Adjustment MENU on the screen. Refer to the "ELECTRICAL ADJUSTMENT" (On-Screen Display Adjustment).

WHEN REPLACING EEPROM (MEMORY) IC

CONFIRMATION OF CHECK SUM, POWER ON TOTAL HOURS AND MICON VERSION

Initial total of MEMORY IC, POWER ON total hours and MICON VERSION can be checked on the screen. Total hours are displayed in 16 system of notation.

NOTE: If you set a factory initialization, the total hours is reset to "0".
Please refer to "CONFIRMATION OF INITIAL DATA" when SUM DATA is not corresponding.

1. Turn on the POWER, and set to the TV mode.
2. Set the VOLUME to minimum.
   Press both VOL. DOWN button on the set and Channel
3. button **(8)** on the remote control for more than 2 seconds.
4. After the confirmation of each check sum, turn off the power.

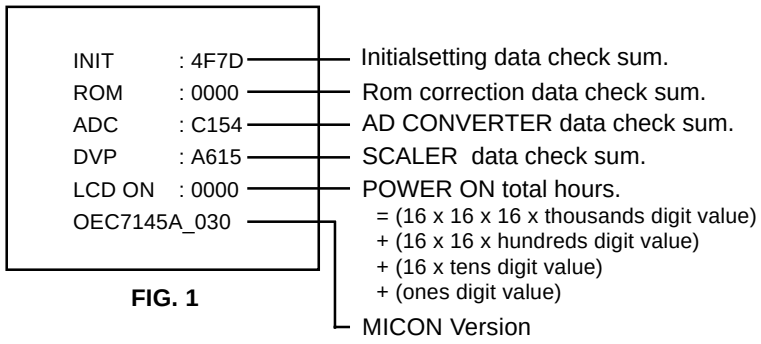

INIT : 4F7D
ROM : 0000
ADC : C154
DVP : A615
LCD ON : 0000
OEC7145A_030
Initialsetting data check sum.
Rom correction data check sum.
AD CONVERTER data check sum.
SCALER data check sum.
POWER ON total hours.
= (16 x 16 x 16 x thousands digit value)
+ (16 x 16 x hundreds digit value)
+ (16 x tens digit value)
+ (ones digit value)
MICON Version

FIG. 1

ELECTRICAL ADJUSTMENTS

1. ADJUSTMENT PROCEDURE

Read and perform these adjustments when repairing the circuits or replacing electrical parts or PCB assemblies.

CAUTION

- Use an isolation transformer when performing any service on this chassis.
- When removing a PCB or related component, after unfastening or changing a wire, be sure to put the wire back in its original position.
- When you exchange IC and Transistor with a heat sink, apply silicon grease **(YG6260M)** on the contact section of the heat sink. Before applying new silicon grease, remove all the old silicon grease. (Old grease may cause damage to the IC and Transistor).

Prepare the following measurement tools for electrical adjustments.

1. Pattern Generator

2. BASIC ADJUSTMENTS

On-Screen Display Adjustment

1. Set the VOLUME to minimum.
2. Press the VOL. DOWN button on the set and the channel button **(9)** on the remote control for more than 2 seconds to display adjustment mode on the screen as shown in **Fig. 2-1**.

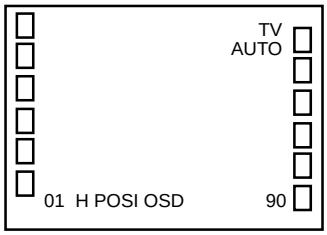


Fig. 2-1

3. Use the Channel UP/DOWN button or Channel button **(0-9)** on the remote control to select the options shown in **Fig. 2-2**.
4. Press the MENU button on the remote control to end the adjustments.
5. To display the adjustment screen for AV, HDMI and COMPONENT mode, press the INPUT SELECT button on the remote control to set to the AV, HDMI and COMPONENT mode. Press the VOL.DOWN button on the set and the channel **(9)** on the remote control for more than 2 seconds.

NO.	FUNCTION	NO.	FUNCTION
01	H POSI OSD	22	H POSI 60Hz
02	V POSI OSD	23	V POSI 50Hz
03	R DRIVE (N)	24	V POSI 60Hz
04	R CUT OFF (N)	25	BAK LIGHT CENT
05	G DRIVE (N)	26	BAK LIGHT MAX
06	G CUT OFF (N)	27	BAK LIGHT MIN
07	B DRIVE (N)	28	BRIGHT CENT
08	B CUT OFF (N)	29	BRIGHT MAX
09	R DRIVE (C)	30	BRIGHT MIN
10	R CUT OFF (C)	31	TINT
11	G DRIVE (C)	35	CONTRAST CENTER
12	G CUT OFF (C)	36	CONTRAST MAX
13	B DRIVE (C)	37	CONTRAST MIN
14	B CUT OFF (C)	38	COLOR CENT
15	R DRIVE (W)	39	COLOR MAX
16	R CUT OFF (W)	40	COLOR MIN
17	G DRIVE (W)	41	H POSI TEXT
18	G CUT OFF (W)	42	V POSI TEXT
19	B DRIVE (W)	43	NT COLOR CENT
20	B CUT OFF (W)	44	NT COLOR MAX
21	H POSI 50Hz	45	NT COLOR MIN

Fig. 2-2

2-1: CONTRAST

1. Receive the monoscope pattern.(RF Input)
2. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(35)** on the remote control to select "CONTRAST CENTER".
3. Check if the step No. CONTRAST CENTER is "147".
4. Receive a broadcast and check if the picture is normal.
5. Press the INPUT SELECT button on the remote control to set to the AV mode.
6. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(35)** on the remote control to select "CONTRAST CENTER".
7. Check if the step No. CONTRAST CENTER is "147".
8. Receive a broadcast and check if the picture is normal.
9. Receive a Color Bar Pattern.
10. Press the INPUT SELECT button on the remote control to set to the COMPONENT mode.
11. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(35)** on the remote control to select "CONTRAST CENTER".
12. Check if the step No. CONTRAST CENTER is "147".
13. Receive a broadcast and check if the picture is normal.
14. Playback the DVD disc. (480i input)
15. Press the INPUT SELECT button on the remote control to set to the HDMI mode.
16. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(35)** on the remote control to select "CONTRAST CENTER".
17. Check if the step No. CONTRAST CENTER is "147". Receive a broadcast and check if the picture is normal.

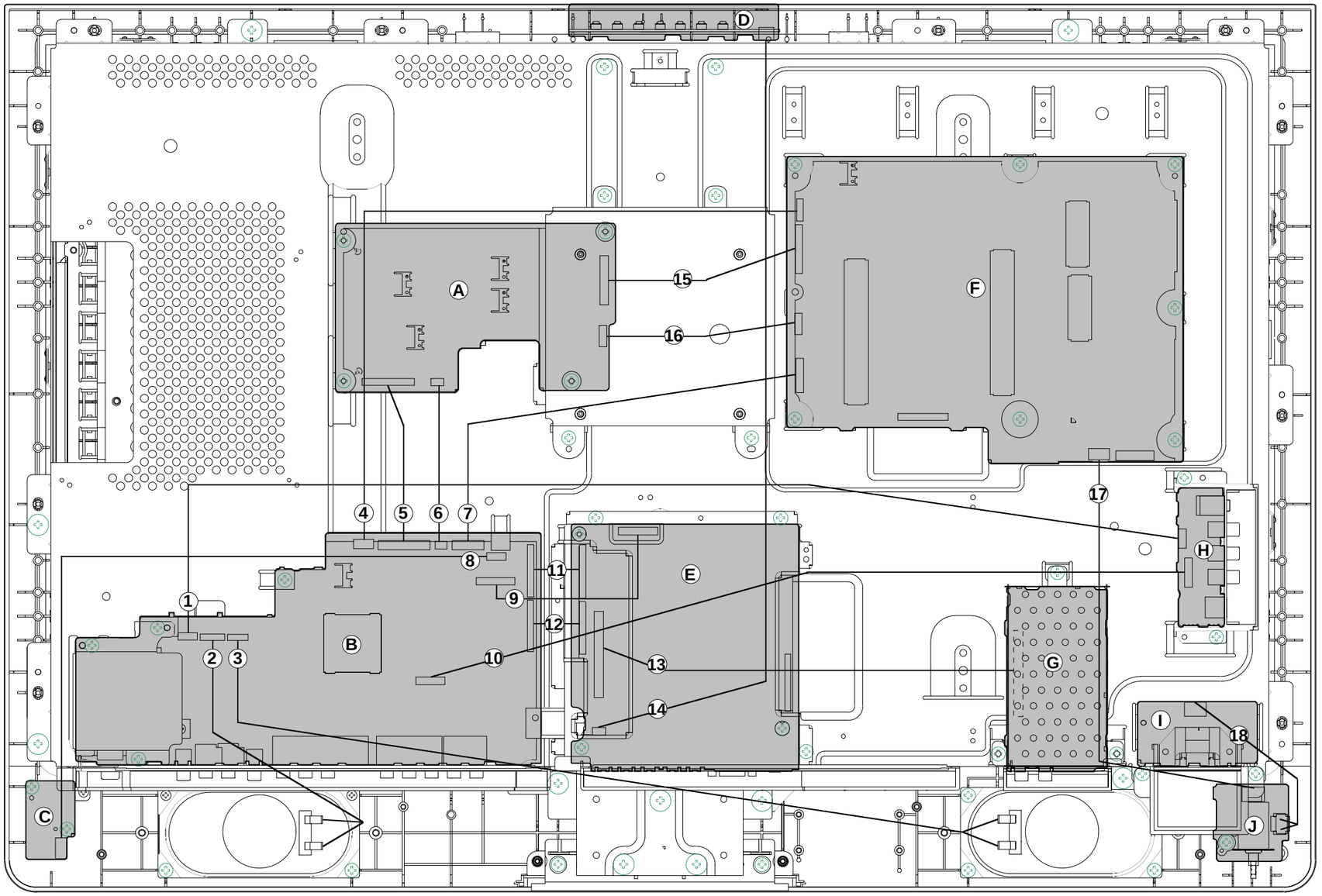
ELECTRICAL ADJUSTMENTS

2-2: Confirmation of Fixed Value (Step No.)

Please check if the fixed values of each the adjustment items are set correctly referring below. **(TV/AV/COMPONENT/HD-MI)**

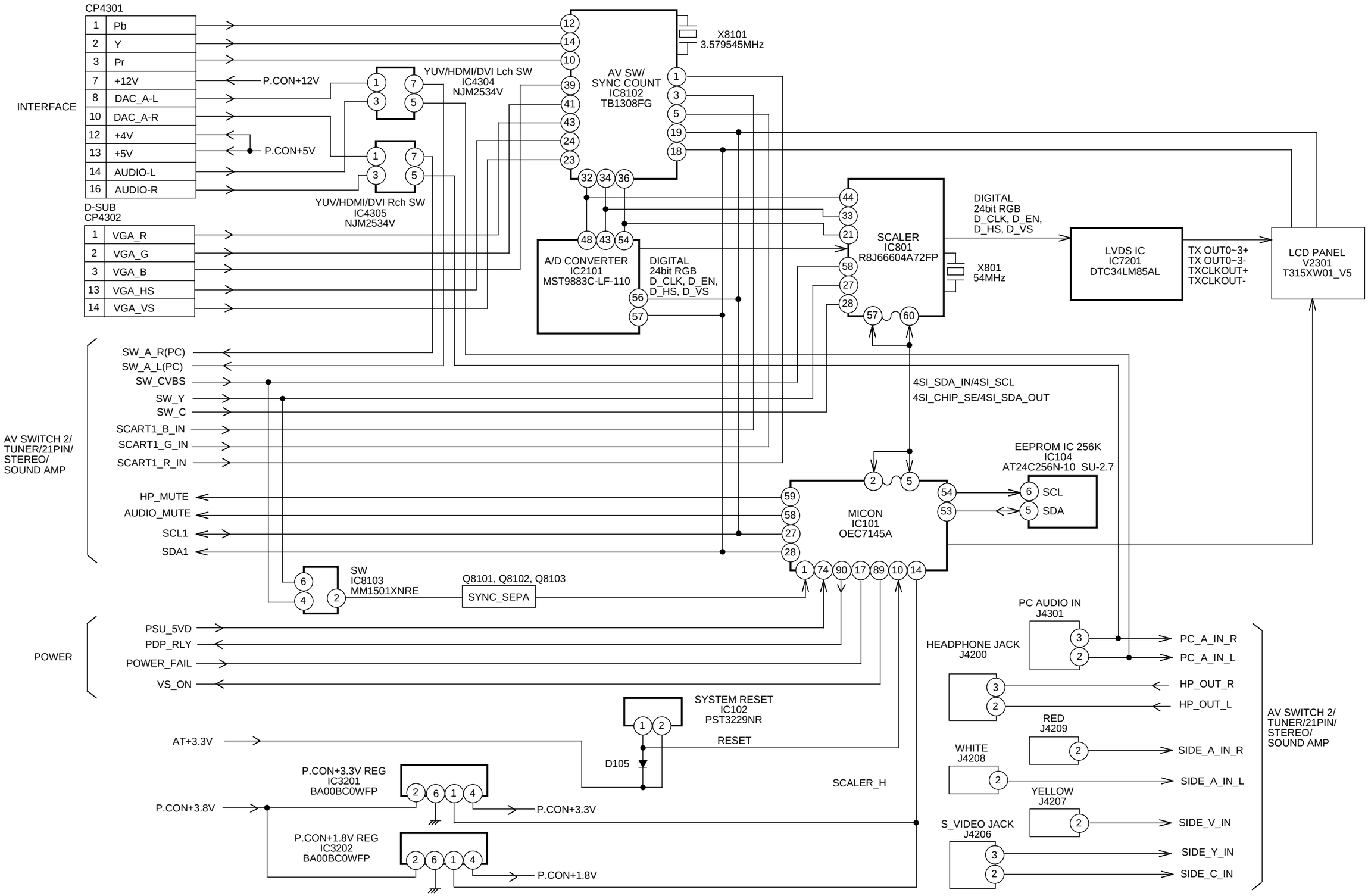
NO.	FUNCTION	TV			AV			COMPONENT								HD-MI							
								60Hz				50Hz				60Hz				50Hz			
		PAL	SECAM	NTSC	PAL	SECAM	NTSC	480i	480p	720p	1080i	576i	576p	720p	1080i	480i	480p	720p	1080i	576i	576p	720p	1080i
		Step No.	Step No.	Step No.	Step No.	Step No.	Step No.	Step No.	Step No.	Step No.	Step No.	Step No.	Step No.	Step No.	Step No.	Step No.	Step No.	Step No.	Step No.	Step No.	Step No.	Step No.	Step No.
1	H POSI OSD	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
2	V POSI OSD	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
3	R DRIVE (N)	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127
4	R CUT OFF (N)	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
5	G DRIVE (N)	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
6	G CUT OFF (N)	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
7	B DRIVE (N)	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121
8	B CUT OFF (N)	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
9	R DRIVE (C)	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
10	R CUT OFF (C)	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121
11	G DRIVE (C)	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
12	G CUT OFF (C)	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
13	B DRIVE (C)	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130
14	B CUT OFF (C)	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
15	R DRIVE (W)	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133
16	R CUT OFF (W)	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
17	G DRIVE (W)	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
18	G CUT OFF (W)	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
19	B DRIVE (W)	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118
20	B CUT OFF (W)	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
21	H POSI 50Hz	325	325	325	325	325	325	..	..	..	..	322	158	336	290	..	..	..	..	320	158	292	244
22	H POSI 60Hz	294	294	294	294	294	294	292	142	336	294	..	..	..	..	279	152	296	250	..	..	..	..
23	V POSI 50Hz	87	87	87	87	87	87	..	..	..	..	89	88	54	49	..	..	..	..	79	83	50	45
24	V POSI 60Hz	79	79	79	79	79	79	77	82	55	46	..	..	..	..	79	75	47	42	..	..	..	..
25	BAK LIGHT CENT	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
26	BAK LIGHT MAX	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255
27	BAK LIGHT MIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	BRIGHT CENT	127	127	127	127	127	127	127	128	130	128	129	129	130	128	125	125	125	125	125	125	125	125
29	BRIGHT MAX	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156
30	BRIGHT MIN	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
31	TINT	116	116	116	116	116	116	119	123	129	129	119	119	129	129	129	129	123	123	129	129	123	123
35	CONTRAST CENTER	116	116	116	173	173	173	149	186	186	188	163	188	186	188	182	182	173	153	178	178	173	153
36	CONTRAST MAX	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190
37	CONTRAST MIN	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
38	COLOR CENT	80	80	80	68	68	68	..	..	..	..	76	76	76	76					71	71	78	78
39	COLOR MAX	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127
40	COLOR MIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	H POSI TEXT	181	181	181	181	181	181	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
42	V POSI TEXT	82	82	82	82	82	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
43	NT COLOR CENT	74	74	74	65	65	65	81	78	78	78	..	..	..	..	78	78	78	78	..	..	..	..
44	NT COLOR MAX	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127
45	NT COLOR MIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3. ELECTRICAL ADJUSTMENT PARTS LOCATION GUIDE (WIRING CONNECTION)

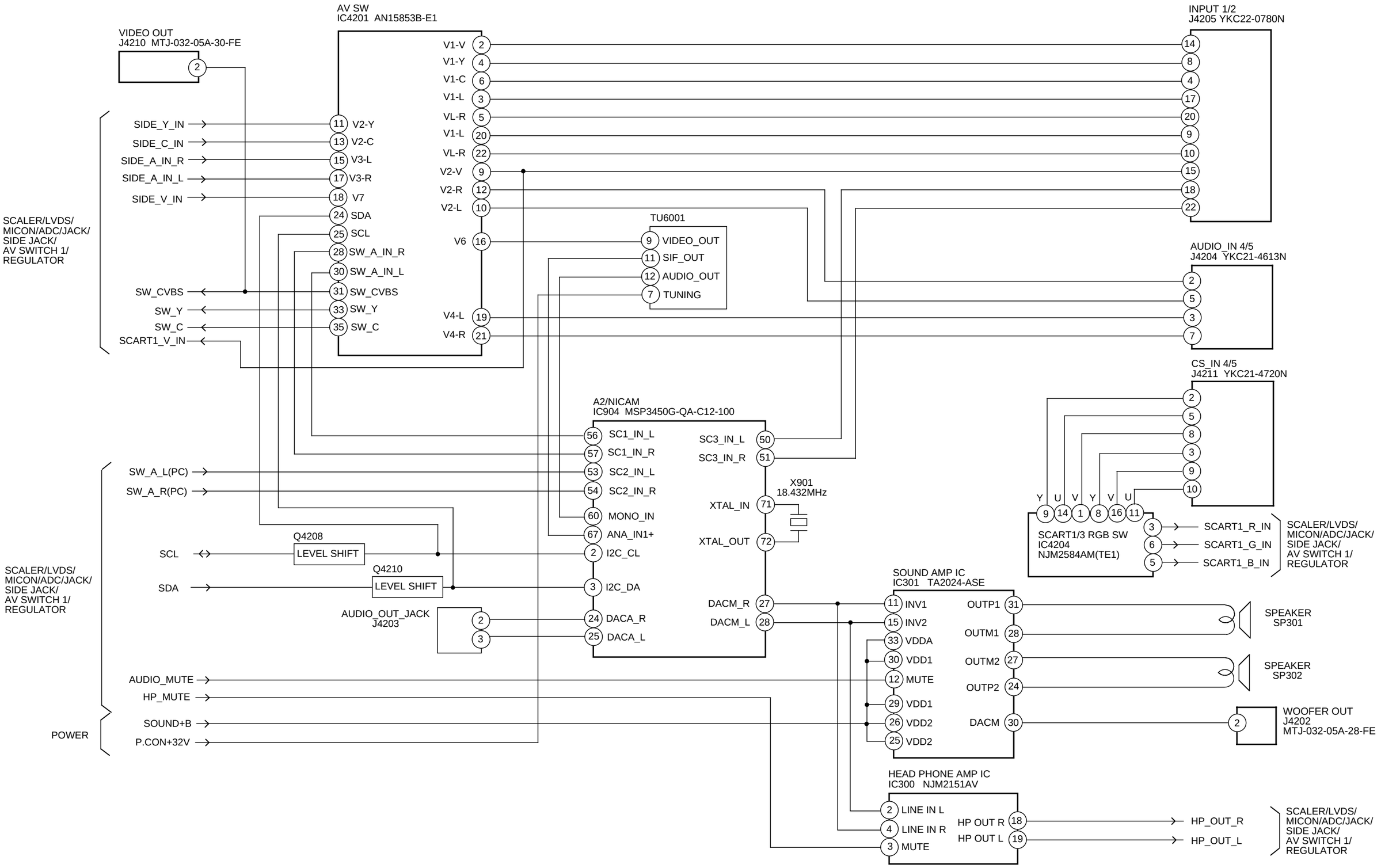


Item	No.	Wire	Part No.	HITACHI Part No.	Item	REF.NO.	DESCRIPTION	PART NO.	HITACHI PART NO.	Item	REF.NO.	DESCRIPTION	PART NO.	HITACHI PART NO.	Item	Board	PART NO.	HITACHI PART NO.
1	CD4205	CORD,CONNECTOR CU257501	06CU257501	TE03835	11	CD4204	CORD,JUMPER 2H0U0803	122H0U0802	TE03415						A	REGULATOR PCB ASS'Y(PCBF10)	A3V904CF10	TE03821
2	CD301	CORD,CONNECTOR CU125503	06CU125503	TE03703	12	CD4203	CORD,JUMPER 2H0U0802	122H0T0801	TE03416						B	AV PCB ASS'Y(PCBD20)	A3V904CD20	TE03761
3	CD303	CORD,CONNECTOR CU127502	06CU127502	TE03704	13	CD3601	CORD,CONNECTOR CU1K6001	06CU1K6001	————						C	REMOCON PCB ASS'Y(PCBDA0)	A3V904CDA0	TE03781
4	CD3806	CORD,CONNECTOR CU145003	06CU145003	TE03831	14	CD2201	CORD,CONNECTOR CU235501	06CU235501	TE03707						D	OPERATION PCB ASS'Y(PCB270)	A3V904C270	TE03741
5	CD517	CORD,CONNECTOR CU1C2002	06CU1C2002	————	15	CD518	CORD,CONNECTOR CU1B2002	06CU1B2002	————						E	SCALER PCB ASS'Y(PCBDS0)	A3V904CDS0	TE03801
6	CD520	CORD,CONNECTOR CU122002	06CU122002	————	16	CD519	CORD,CONNECTOR CU252001	06CU252001	————						F	POWER PCB ASS'Y(PCB240)	A3V904C240	TE03731
7	CD3804	CORD,CONNECTOR CU174001	06CU174001	TE03708	17	CD516	CORD,CONNECTOR CUU25102	06CUU25102	————						G	HD-MI PCB ASS'Y(PCBDJ0)	A3V904CDJ0	TE03791
8	CD4202	CORD,CONNECTOR CU255502	06CU255502	TE03834	18	CD509	CORD,CONNECTOR CUU23501	06CUU23501	————						H	SIDE JACK PCB ASS'Y(PCBD90)	A3V904CD90	TE03771
9	CD3807	CORD,CONNECTOR CU2B1501	06CU2B1501	TE03832											I	AC LET PCB ASS'Y(PCBDY0)	A3V904CDY0	TE03811
10	CD4201	CORD,CONNECTOR CU287001	06CU287001	TE03833											J	POWER SW PCB ASS'Y(PCB320)	A3V904C320	TE03751

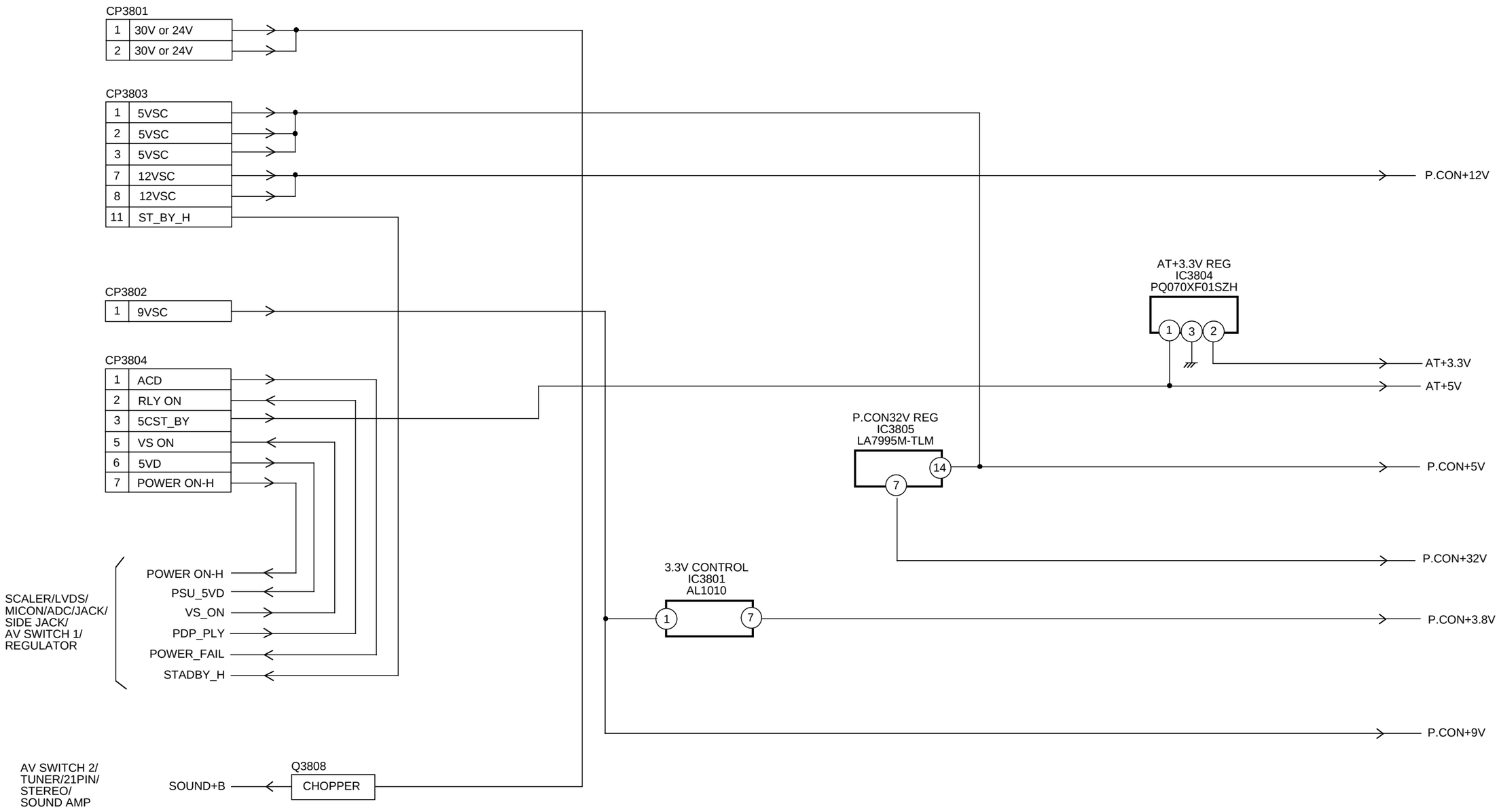
SCALER/LVDS/MICON/ADC/JACK/SIDE JACK/AV SWITCH 1/REGULATOR BLOCK DIAGRAM



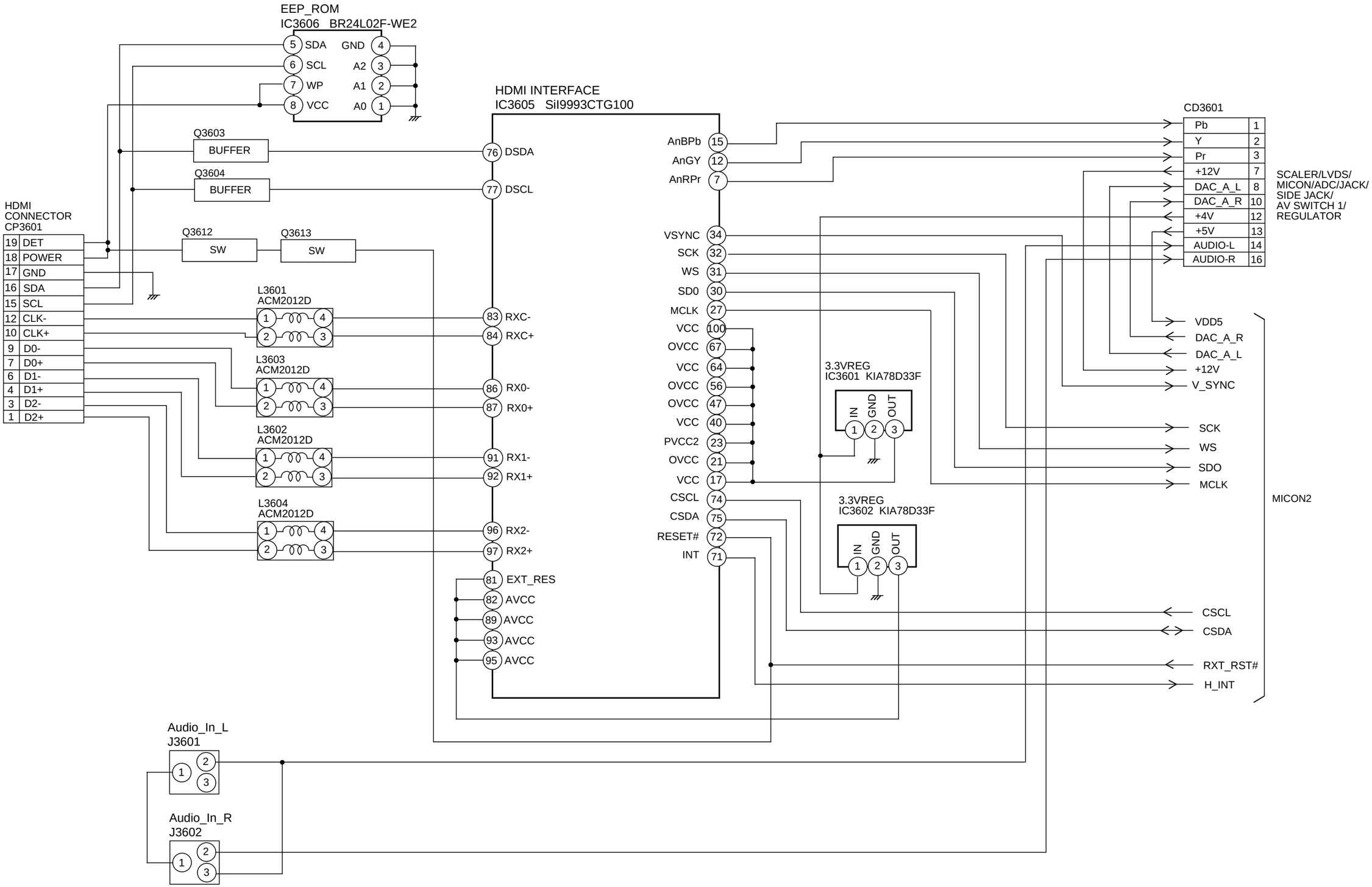
AV SWITCH 2/TUNER/21PIN/STEREO/SOUND AMP BLOCK DIAGRAM



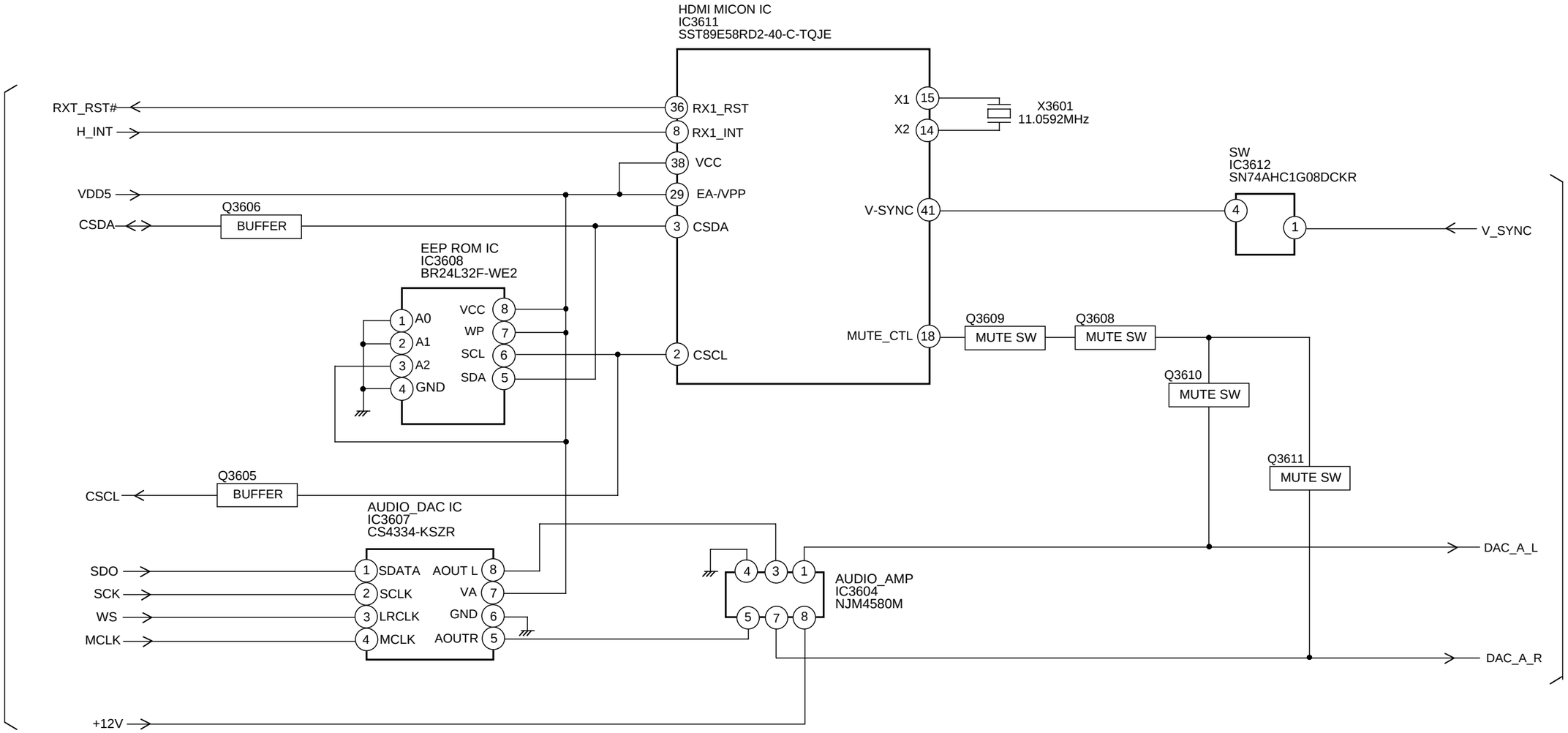
POWER/SIDE JACK BLOCK DIAGRAM



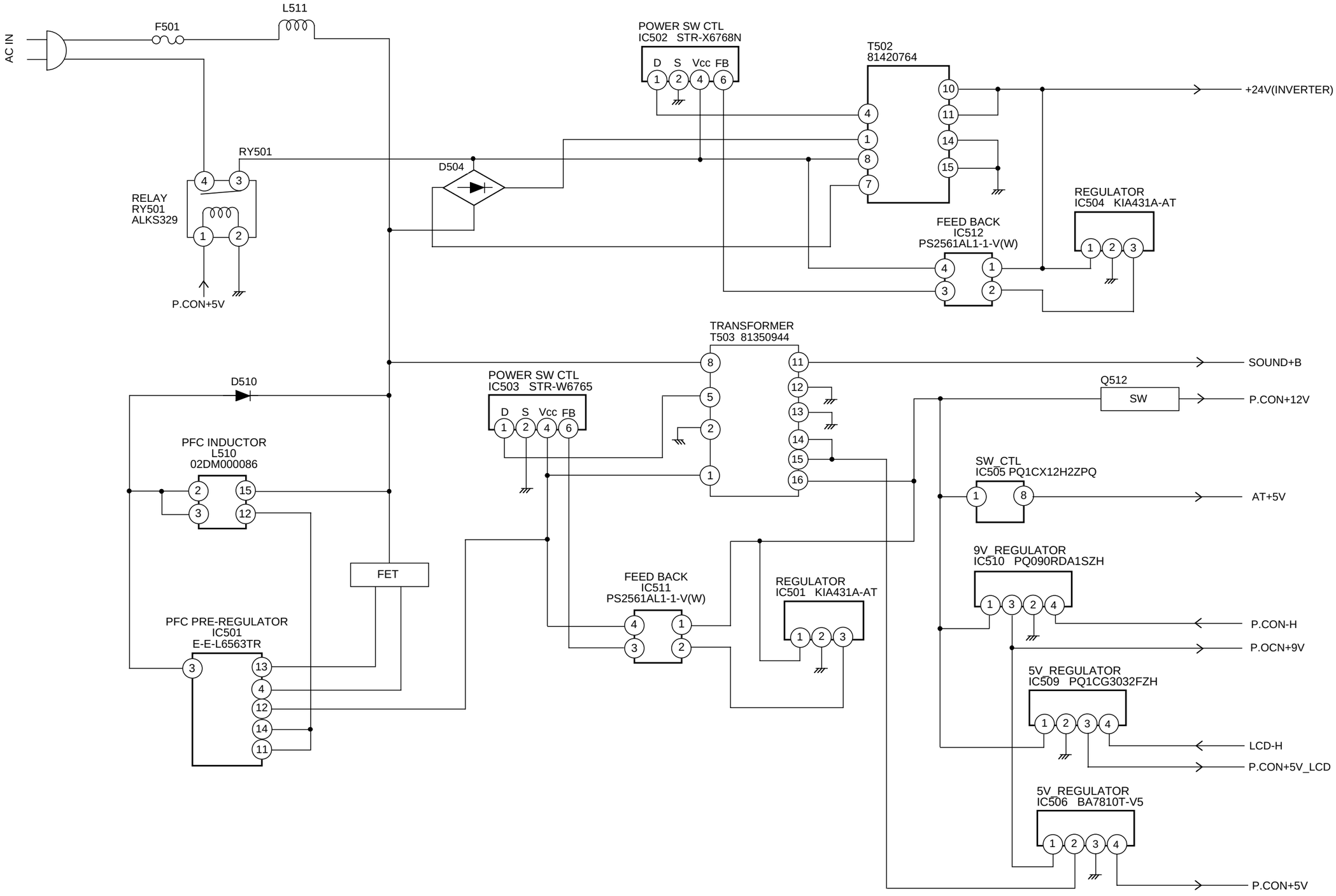
INTERFACE BLOCK DIAGRAM



MICON2 BLOCK DIAGRAM

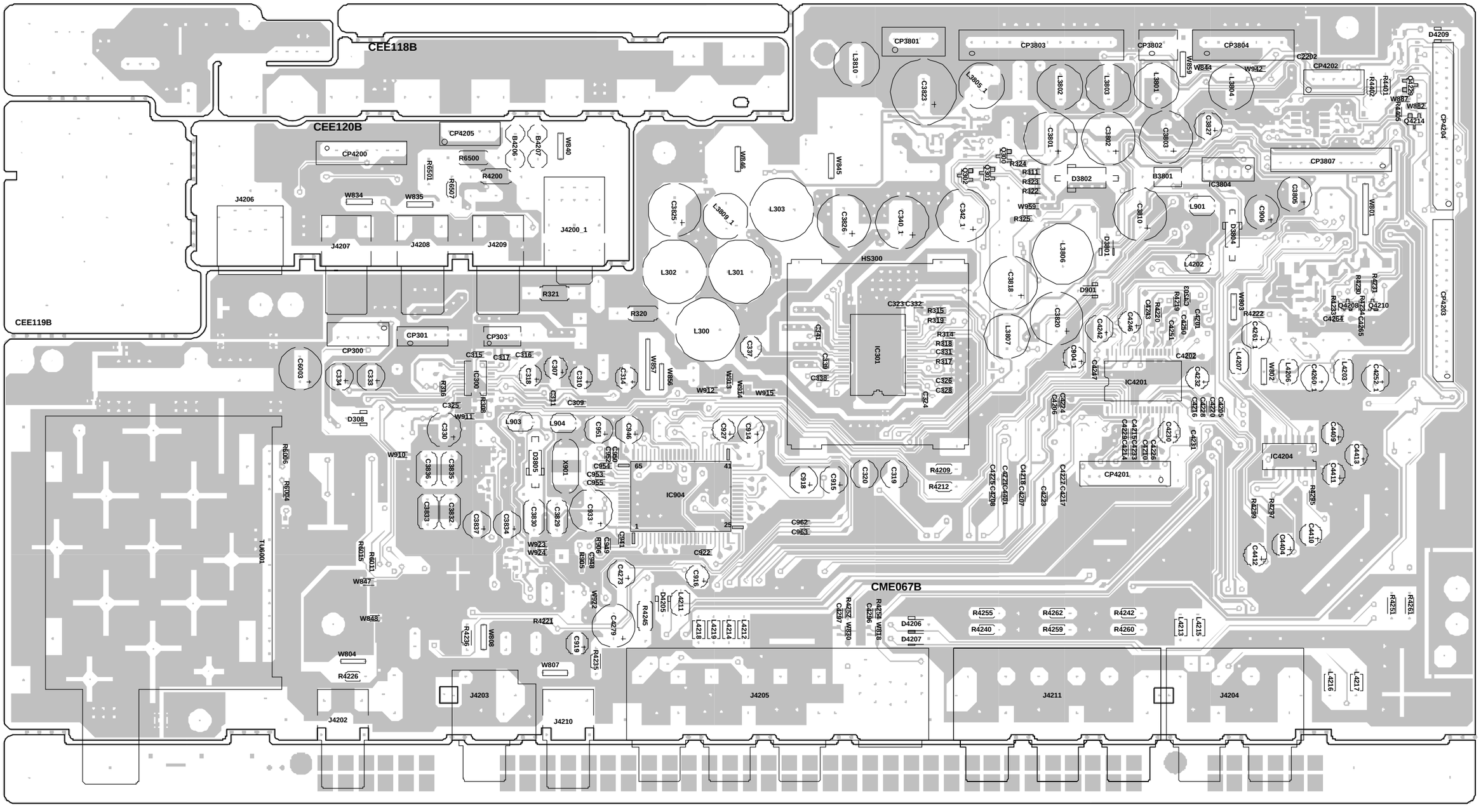


POWER BLOCK DIAGRAM



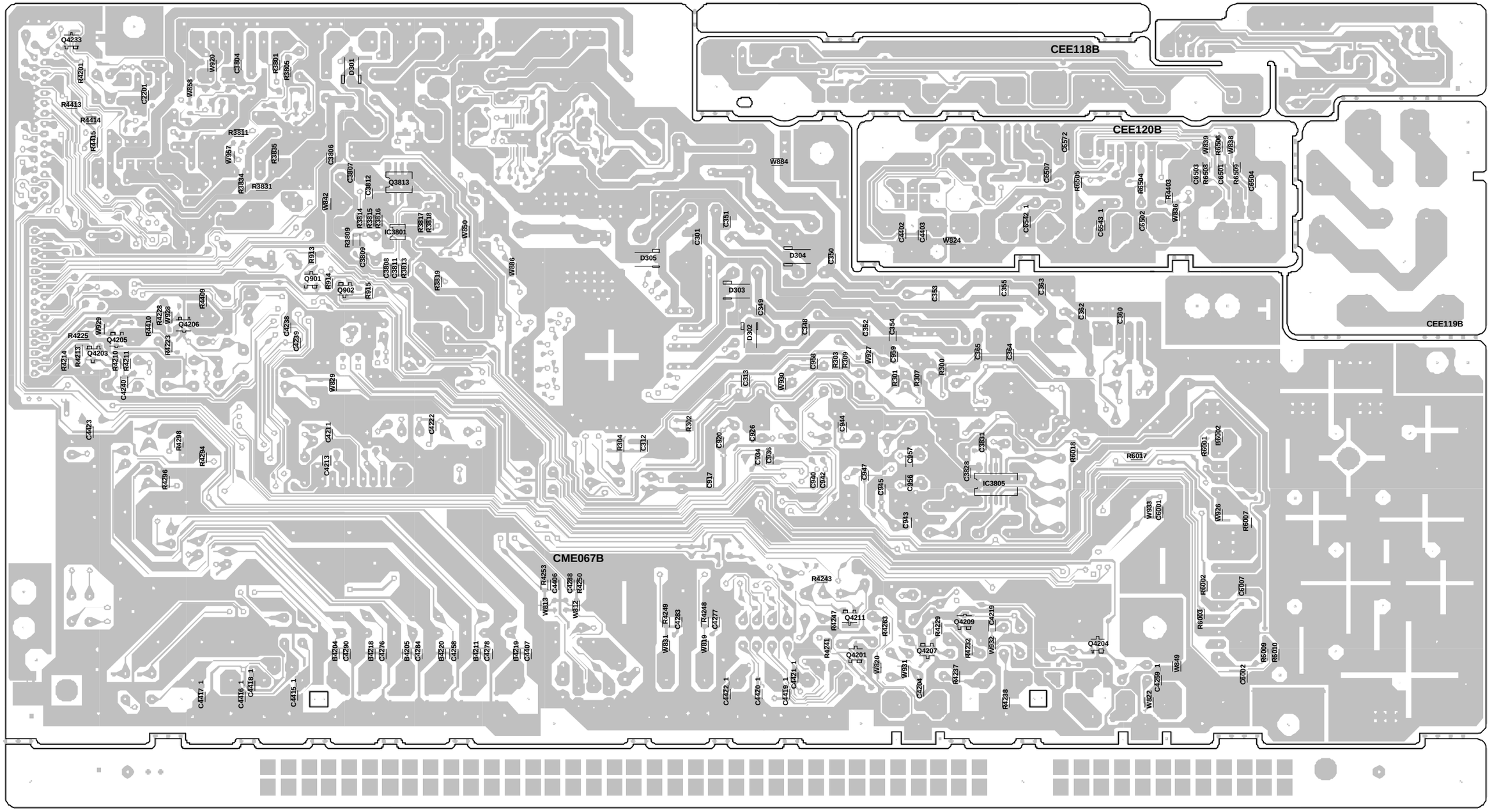
PRINTED CIRCUIT BOARDS

AV/SIDE JACK (TOP SIDE)



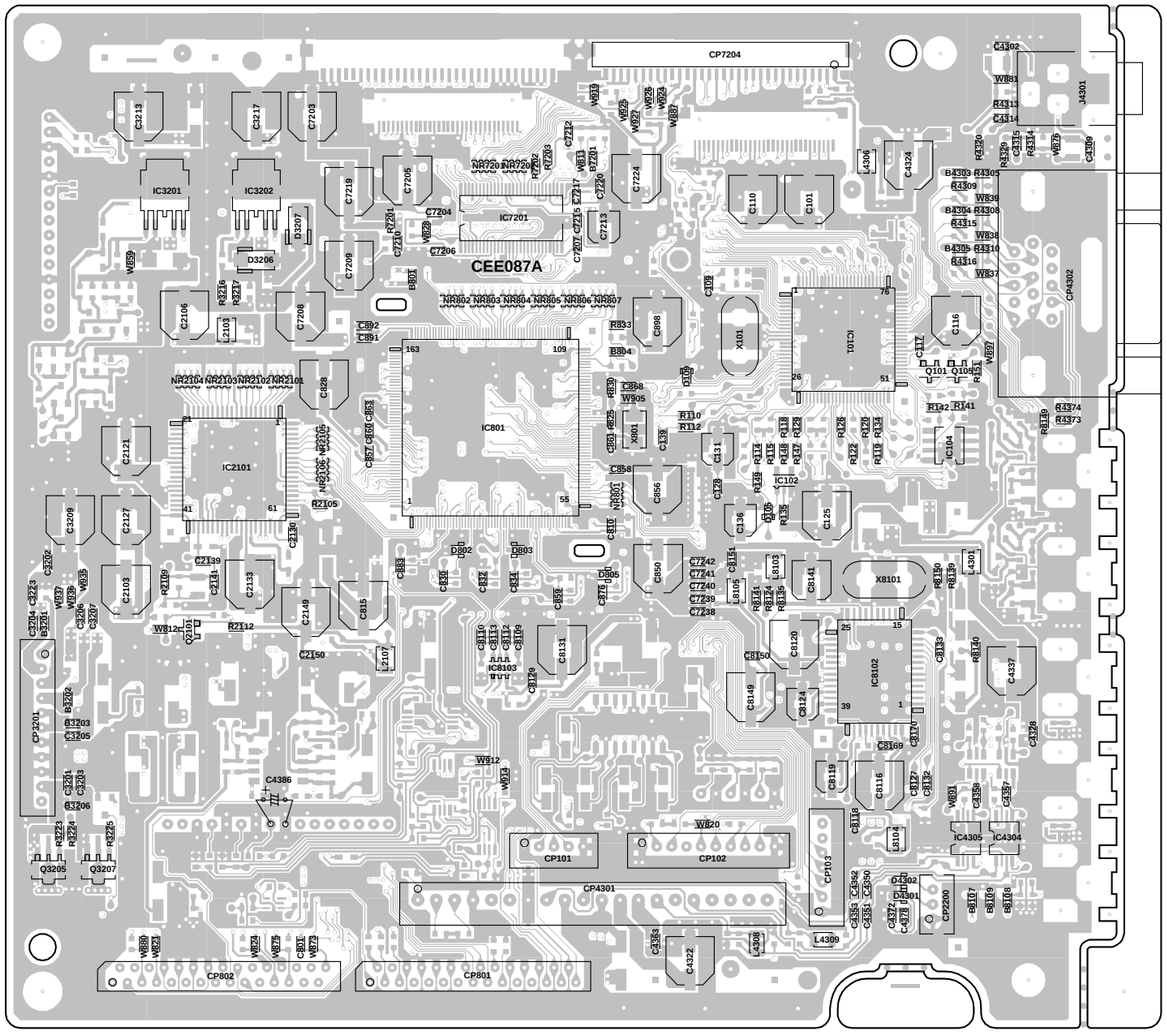
PRINTED CIRCUIT BOARDS

AV/SIDE JACK (BOTTOM SIDE)

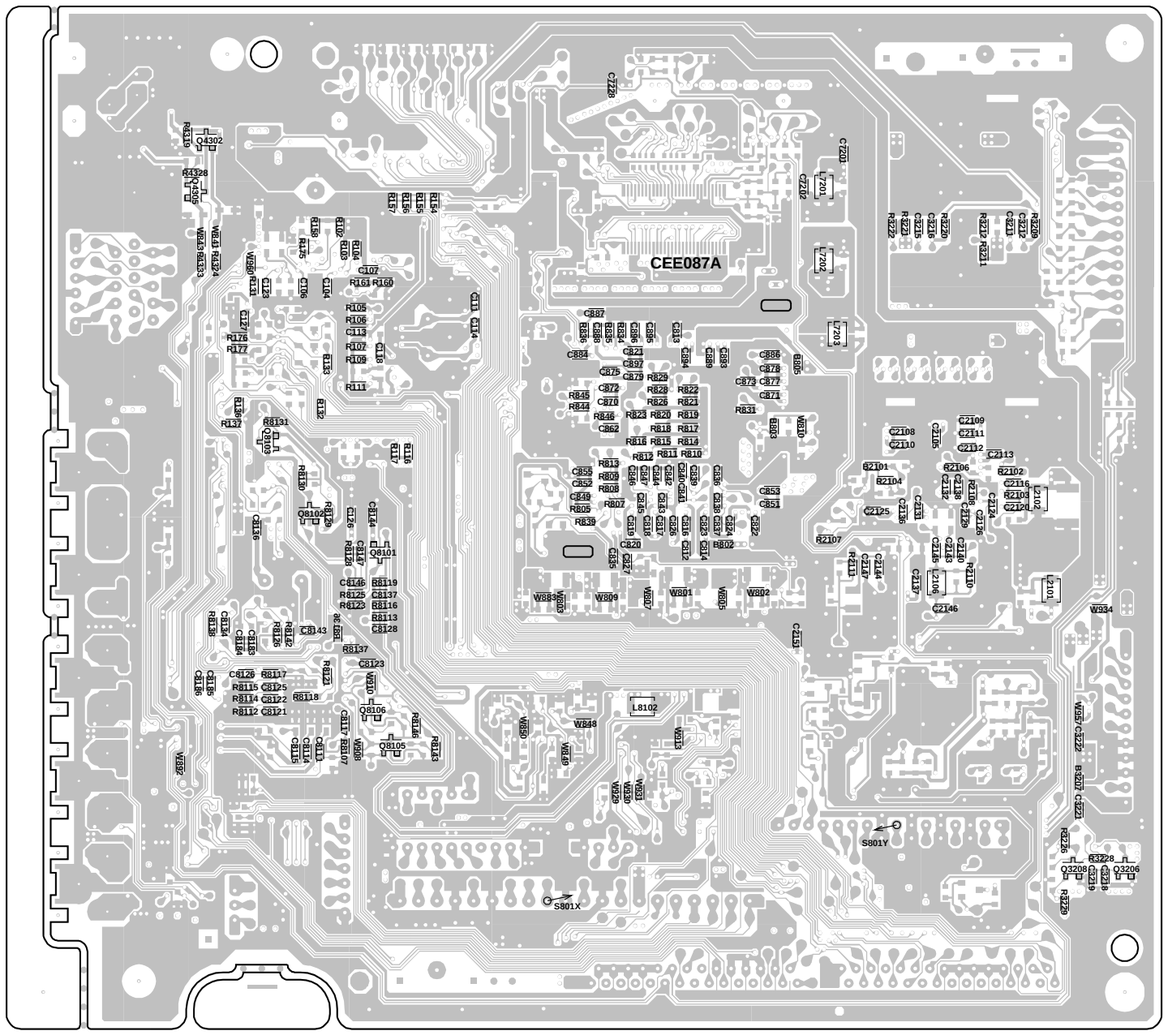


PRINTED CIRCUIT BOARDS

SCALER (TOP SIDE)



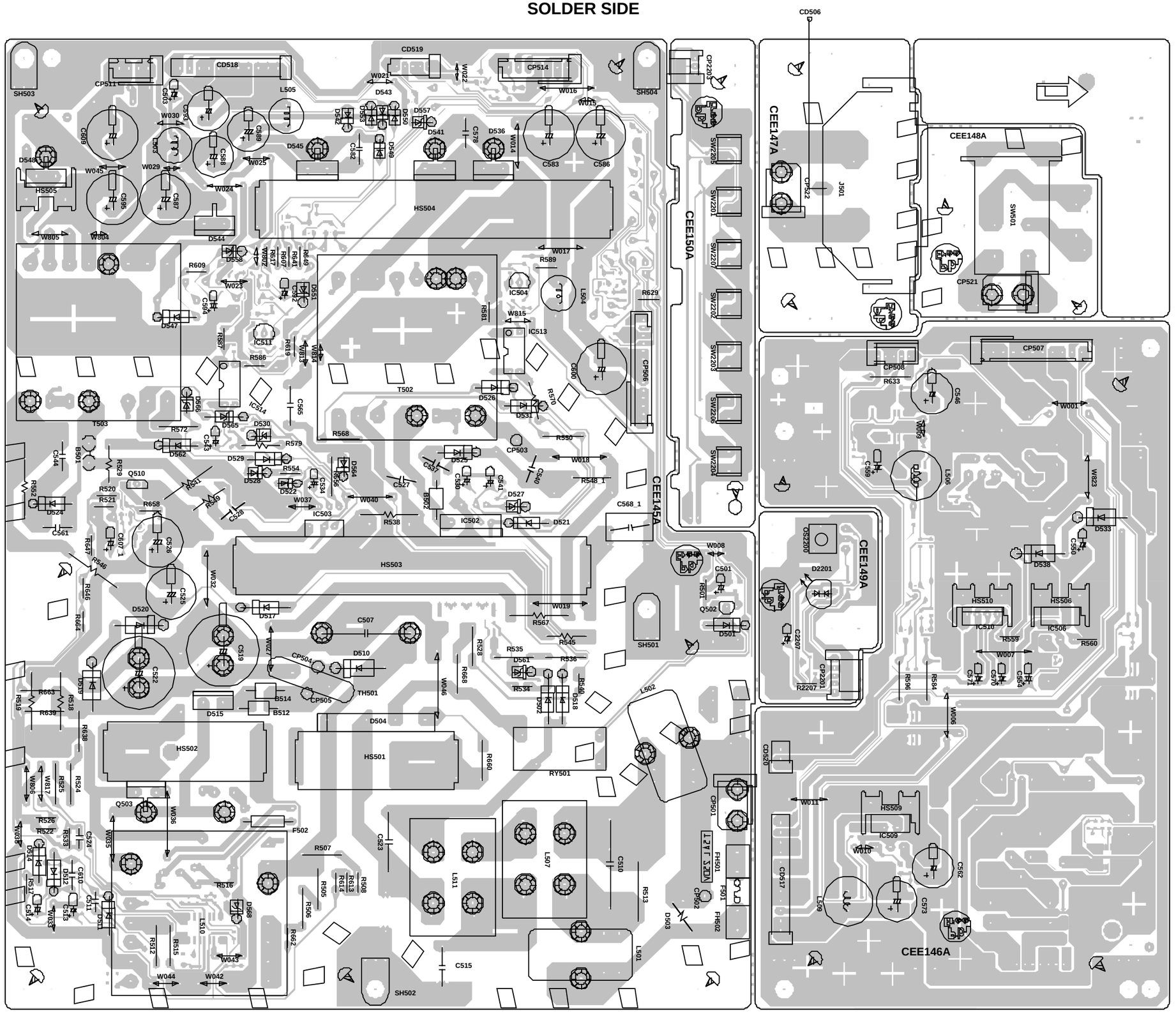
SCALER (BOTTOM SIDE)



PRINTED CIRCUIT BOARDS

POWER/OPERATION/REGULATOR/AC INLET/POWER SW/REMOCON (INSERTED PARTS)

SOLDER SIDE


CEE150A
CEE145A
CEE147A
CEE148A
CEE149A
CEE146A
SH503
SH504
CD518
CD519
CD506
CP511
CP514
CP2203
L505
D543
D557
D541
D536
C583
C586
C609
C595
C587
C588
C589
HS505
HS504
D544
D545
D548
W805
W804
W045
W029
W030
W025
W024
W021
W022
W016
W015
W014
R609
W023
D558
D547
R587
IC511
R586
R572
D562
D566
D585
D530
R579
D529
R554
D528
D522
R568
T502
T503
D526
D531
R570
C600
CP506
IC504
L504
R589
W017
W815
IC513
R581
R629
CP503
R550
W018
R548_1
C568_1
IC502
D521
D527
C541
C580
C540
C537
B502
C527
C534
R556
D564
W040
R538
IC503
W037
R658
C528
R641
R642
C526
C525
C507
D517
W027
CP504
D510
TH501
CP505
B514
B512
D515
D520
C519
C522
R663
R639
R638
R646
R647
R648
C507_1
D524
C561
R552
C544
B501
R529
Q510
R520
R521
W032
HS503
W019
R567
R545
R535
D561
R536
R534
R540
D502
D518
R528
R668
W046
D504
HS501
HS502
RY501
R660
L502
SH501
W008
C501
R501
Q502
D501
CP501
FH501
FH502
F501
CP502
D503
L501
C515
SH502
Q503
W036
F502
R507
R505
R508
R513
R506
R662
L507
L511
C523
C510
R516
D568
L510
R512
R515
W043
W044
W042
W035
W034
W033
W803
W806
W817
R825
R824
R526
R522
R533
C524
C610
C611
C513
C514
D514
D512
R517
PD501
W026
W027
W028
W029
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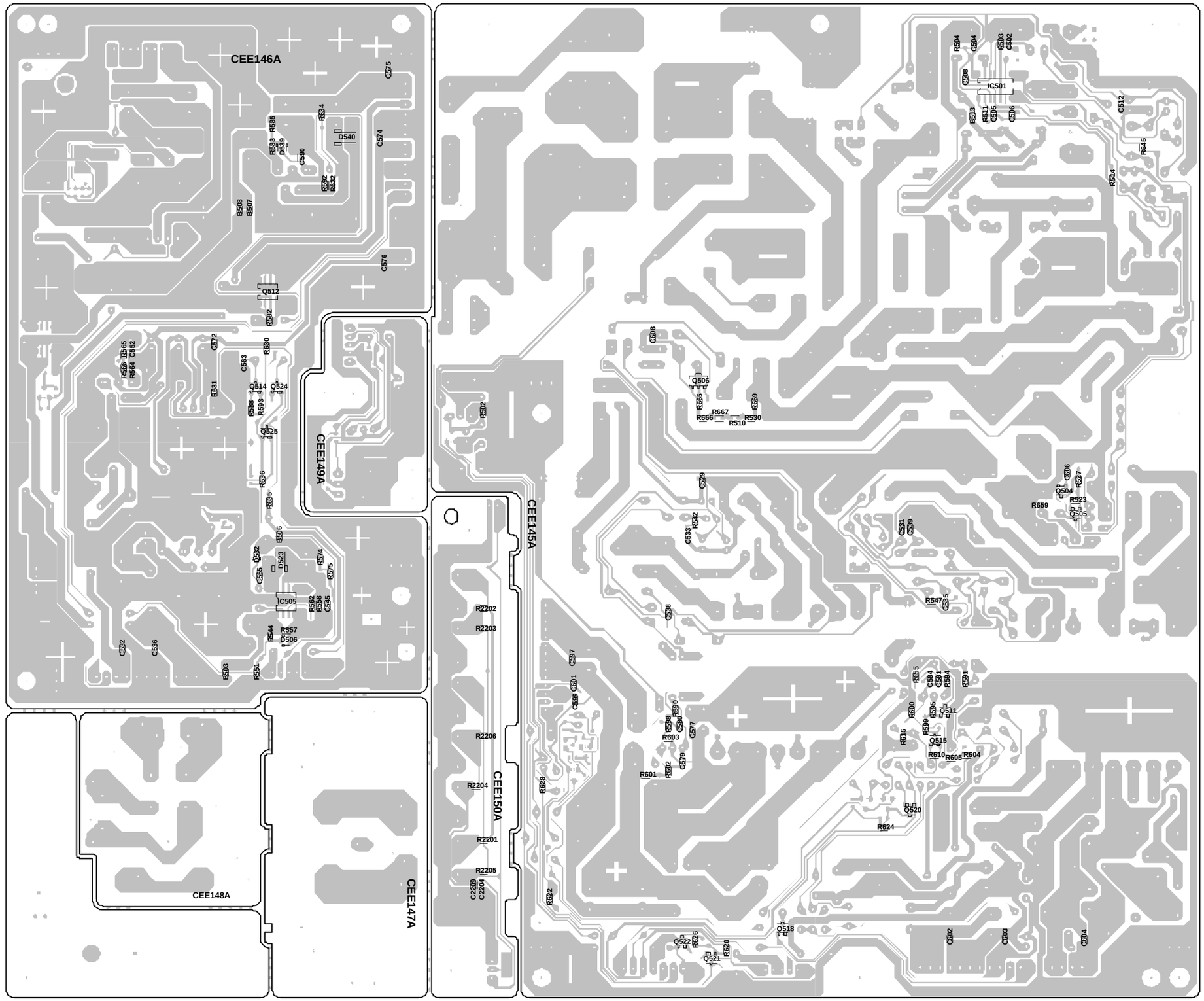
W064
W065

PRINTED CIRCUIT BOARDS

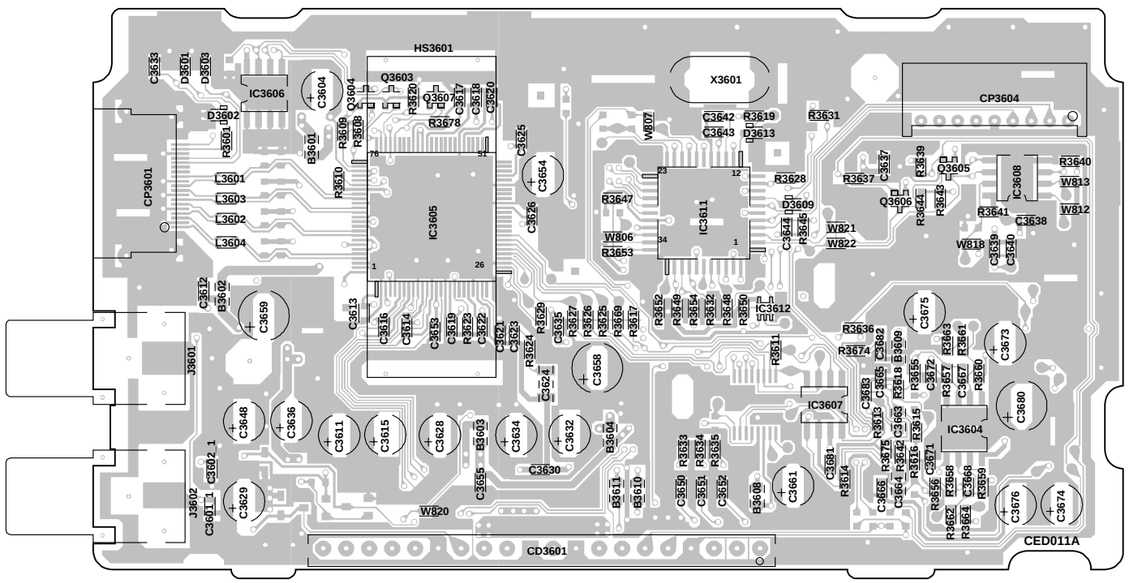
POWER/OPERATION/REGULATOR (CHIP MOUNTED PARTS)

SOLDER SIDE

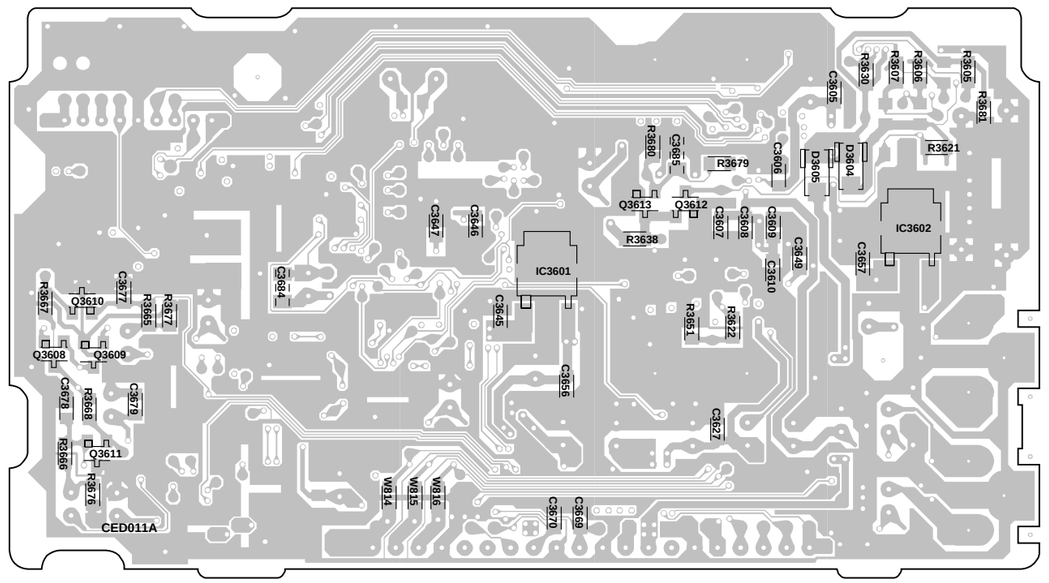


PRINTED CIRCUIT BOARDS

HD-MI (TOP SIDE)



HD-MI (BOTTOM SIDE)



INTERCONNECTION DIAGRAM

4 OHM 10W (L) SPEAKER SP302 CD303
4 OHM 10W (R) SPEAKER SP301 CD301

CP4200 CD4201_1 CP4201
SIDE_A_IN_R 1 | GND 2 | SIDE_A_IN_L 3 | GND 4 | SIDE_V_IN 5 | SIDE_S_C 6 | SIDE_S_Y 7 | SIDE_S_L 8

CP4205 CD4205 CP300
P.CON+5V 1 | HP_SW 2 | HP_L 3 | HP_R 4 | GND 5

V NC YELLOW FRONT VIDEO JACK J4207
L NC WHITE FRONT AUDIO L JACK J4208
R RED J4209
J4206 C Y
J4200_1
SIDE JACK PCB PCBD90 CEE120

CP303 SP OUT L+ 2 | SP OUT L- 1
CP301 SP OUT R- 3 | NC 2 | SP OUT R+ 1

CS_IN 4/5 J4211: RED RED BLUE BLUE GREEN GREEN
AUDIO_IN 4/5 J4204: RED RED WHITE WHITE
INPUT 1/2 J4205: RED RED WHITE WHITE YELLOW YELLOW
VIDEO OUT J4210 | WOOFER_OUT/AUDIO_OUT_JACK J4203 | J4101 | J4102

AV PCB PCBD20 CME067

CP3807 P.CON12V 1 | P.CON+9V 2 | P.CON+5V 3 | AT3.3V 4 | P.CON+3.8V 5 | P.CON+3.8V 6 | GND 7 | GND 8 | GND 9 | P.CON+5V 10 | AT+5V 11
CD3807_1
CP3201 P.CON12V 1 | P.CON+9V 2 | P.CON+5V 3 | AT3.3V 4 | P.CON+3.8V 5 | P.CON+3.8V 6 | GND 7 | GND 8 | GND 9 | HDMI+5V 10 | AT+5V 11
PC AUDIO IN J4301

CP4301
Pb 1 | Y 2 | Pr 3 | GND 4 | NC HDMI TX 5 | NC HDMI RX 6 | +12V 7 | DAC_A_L 8 | GND 9 | DAC_A_R 10 | GND 11 | +4V 12 | +5V 13 | AUDIO-L 14 | GND 15 | AUDIO-R 16 | GND 17 | NC HDMI_1/2 18 | NC V-SYNC 19 | NC H-SYNC 20
CD3601
1 Pb | 2 Y | 3 Pr | 4 GND | 5 HDMI TX NC | 6 HDMI RX NC | 7 +12V | 8 DAC_A_L | 9 GND | 10 DAC_A_R | 11 GND | 12 +4V | 13 +5V | 14 AUDIO-L | 15 GND | 16 AUDIO-R | 17 GND | 18 HDMI_1/2 NC | 19 V-SYNC | 20 H-SYNC
CP3601 D2+ 1 | D2-S 2 | D2- 3 | D1+ 4 | D1-S 5 | D1- 6 | D0+ 7 | D0-S 8 | D0- 9 | CLK+ 10 | CLK-S 11 | CLK- 12 | CEC 13 | NC 14 | SCL 15 | SDA 16 | GND 17 | POWER 18 | DET 19
NC
HD-MI PCB PCBDJ0 CED011
CP3604 VCC 1 | RX 2 | TX 3 | EN 4 | GND 5 | NC 6 | NC 7 | UC_SCL 8 | UC_SDA 9
J3601 DVI JACK WHITE
J3602 DVI JACK RED
FROM/TO POWER MODULE

CP7204
GND 1 | VDD +12V/NC 2 | VDD +12V/NC 3 | GND/NC 4 | GND 5 | RXIN0- 6 | RXIN0+ 7 | GND 8 | RXIN1- 9 | RXIN1+ 10 | GND 11 | RXIN2- 12 | RXIN2+ 13 | GND 14 | RXCLK IN- 15 | RXCLK IN+ 16 | GND 17 | RXIN3- 18 | RXIN3+ 19 | GND 20 | RESERVED 21 | RESERVED 22 | RESERVED 23 | COLOR MD1 24 | COLOR MD2 25 | NC/GND 26 | NC/VDD +5V 27 | VDD +3.3V/+5V 28 | GND/VDD +5V 29 | GND/VDD +5V 30 | GND/VDD +5V 31 | GND 32
TO LCD PANEL CD7204_1
LCD PANEL
V2301_1

CP103
NC 7 | RESET 6 | CHIP_SELECT 5 | 4SI_SCL 4 | 4SI_SDA_IN 3 | 4SI_SDA_OUT 2 | GND 1
CP101
GND 1 | EEPROM_SCL 2 | EEPROM_SDA 3 | IIC_OFF 4 | GND 5
MICON_DATA CP102
GND 1 | TX 2 | BUSY 3 | NC 4 | VCC 5 | CLK 6 | RX 7 | CNVSS 8 | RESET 9 | GND 10

SCALER PCB PCBDS0 CEE087

CP2200
KEY A 3 | KEY B 2 | GND 1
CD2201
CP2203
3 KEY A | 2 KEY B | 1 GND
OPERATION PCB PCB270 CEE150

PC JACK CP4302
VGA_R 1 | VGA_G 2 | VGA_B 3 | NC 4 | DGND 5 | AGND 6 | AGND 7 | AGND 8 | NC 9 | DGND 10 | NC 11 | NC 12 | VGAHS 13 | VGAVS 14 | NC 15

CP4204 FFC CD4204 CP802
STANDBY LED 30 | REMOCON IN 29 | AFT 28 | AGC 27 | HP_MUTE 26 | AUDIO_MUTE 25 | EXT_MUTE-H 24 | GND 23 | SCART1_B 22 | GND 21 | SCART1_G 20 | GND 19 | SCART1_R 18 | GND 17 | ——— 16 | GND 15 | NC SCART1_Y 14 | SCART2_SW 13 | NC ——— 12 | POWER_FAIL 11 | POWER_ON-H 10 | NC DVB_SW-H 9 | LCDON 8 | NC DVB_FAN_ON-H 7 | NC PDP_RLY/LCD-H 6 | S_DET 5 | SCART1_SW 4 | SW_SCART 3 | HP_IN 2 | 5VD/LIGHT_CTL 1
CP4203 FFC CD4203 CP801
——— 29 | GND 28 | ——— 27 | GND 26 | ——— 25 | GND 24 | ——— 23 | GND 22 | ——— 21 | GND 20 | SW_AUDIO_R(PC) 19 | GND 18 | SW_AUDIO_L(PC) 17 | ——— 16 | STEREO_RESET 15 | ——— 14 | NC SCART_AUDIO_SW 13 | SDA1 12 | SCL1 11 | GND 10 | NC ——— 9 | GND 8 | NC ——— 7 | GND 6 | SWITCH_CVBS 5 | GND 4 | SWITCH_VIDEO_Y 3 | GND 2 | SWITCH_VIDEO_C 1
CP802 / CP801 mirror the same pin lists.

TU6001: 1 RF_AGC | NC 2 NC | 3 AS(GND) | 4 SCL | 5 SDA | 6 +B | 7 TUNING | 8 GND | 9 VIDEO_OUT | 10 AFT | 11 SIF_OUT | 12 AUDIO_OUT

CP3802 CD520
9VSC 1 | GND 2
CP3803 CD517
5VSC 1 | 5VSC 2 | 5VSC 3 | GND 4 | GND 5 | GND 6 | 12VSC 7 | 12VSC 8 | GND 9 | GND 10 | ST-BY_H 11 | INVETER_DET 12
REGULATOR PCB PCBF10 CEE146
CP507
AT+12V 1 | AT+12V 2 | AT+12V 3 | GND 4 | GND 5 | GND 6 | GND 7 | UNREG+6V 8 | UNREG+6V 9 | ST-BY_H 10 | INVETER_DET 11
CP508
AT+5V 1 | GND 2 | GND 3 | LCD-H 4 | POWER ON-H_A 5

CP3801 CD3806 CP511
SOUND+B 1 | SOUND+B 2 | SOUND GND 3 | SOUND GND 4
CP3804 CD3804_1 CP514
ACD/P.FAIL 1 | RLY ON/LCD-H 2 | 5VST_BY/AT+5V 3 | GND 4 | VS ON/LCDON 5 | 5VD/LIGHT_CTL 6 | NC/POWER_ON_H 7
POWER PCB PCB240 CEE145
CD518
AT+12V 1 | AT+12V 2 | AT+12V 3 | GND 4 | GND 5 | GND 6 | GND 7 | UNREG+6V 8 | UNREG+6V 9 | ST-BY_H 10 | INVETER_DET 11 NC
CD519
AT+5V 1 | GND 2 | GND 3 | LCD-H 4 | POWER ON-H_A 5

REMOCON PCB PCBDA0 CEE149
OS2200: B+ 3 | GND 2 | Vout 1
COMMAND TRANSMITTER TM101
CP2201 CD4202 CP4202
REMOCON IN 1 | GND 2 | AT+5V 3 | STANDBY LED 4 | POWER ON LED 5

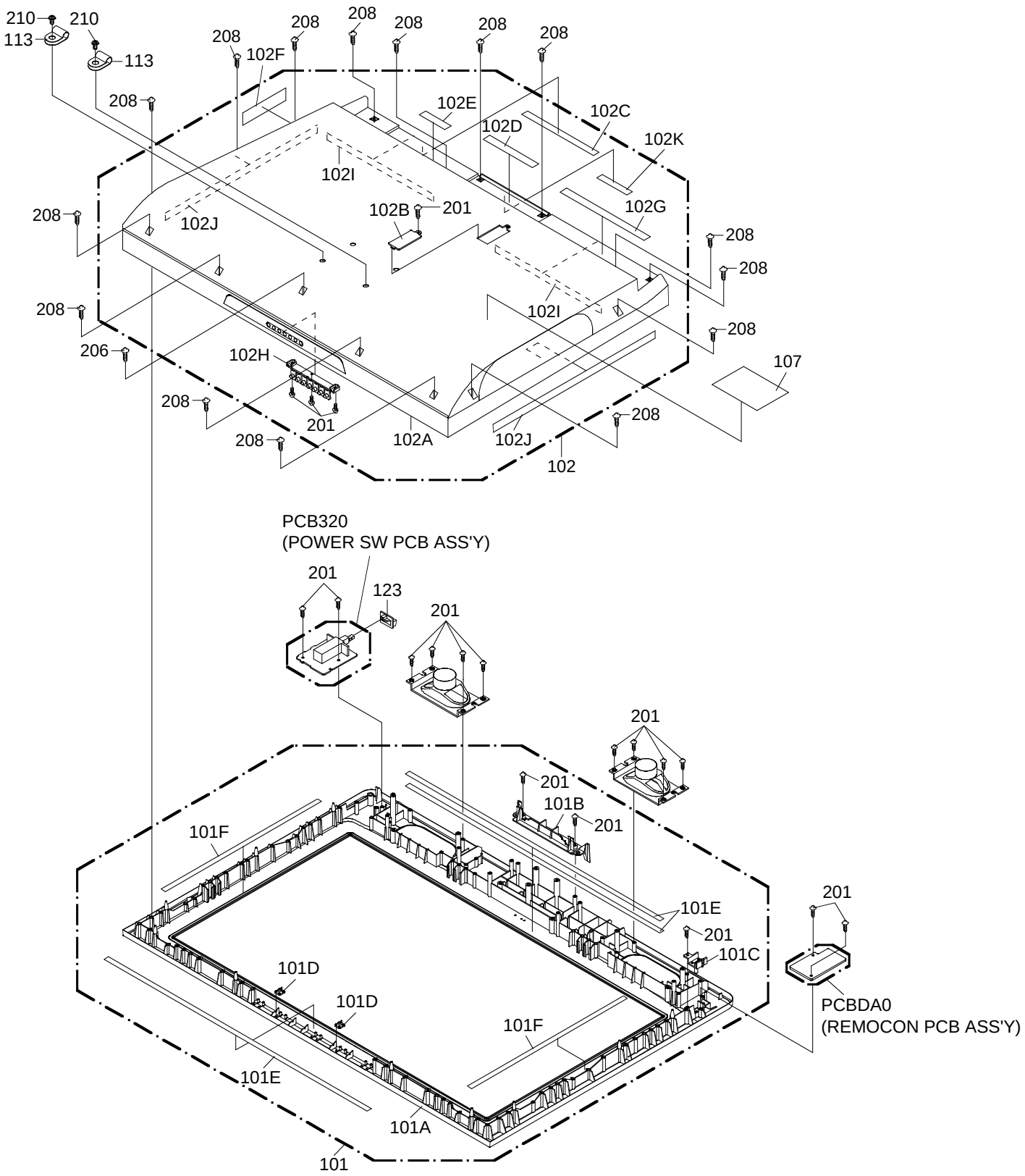
CP501
CD506 AC INLET PCB PCBDY0 CEE147
AC INLET J501: 1 2 3
CD516
CP522 CD509 CP521: 1 BLACK | 2 WHITE
POWER SW PCB PCB320 CEE148
CD3810
CP506: +24V 1 | +24V 2 | +24V 3 | +24V 4 | +24V 5 | GND 6 | GND 7 | GND 8 | GND 9 | BRIGHT CTL 10 | BL ON/OFF 11 | EXT PWM 12 | PWM SELECT 13 | 14
CD505

NOTE: THIS INTERCONNECTION DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE 。

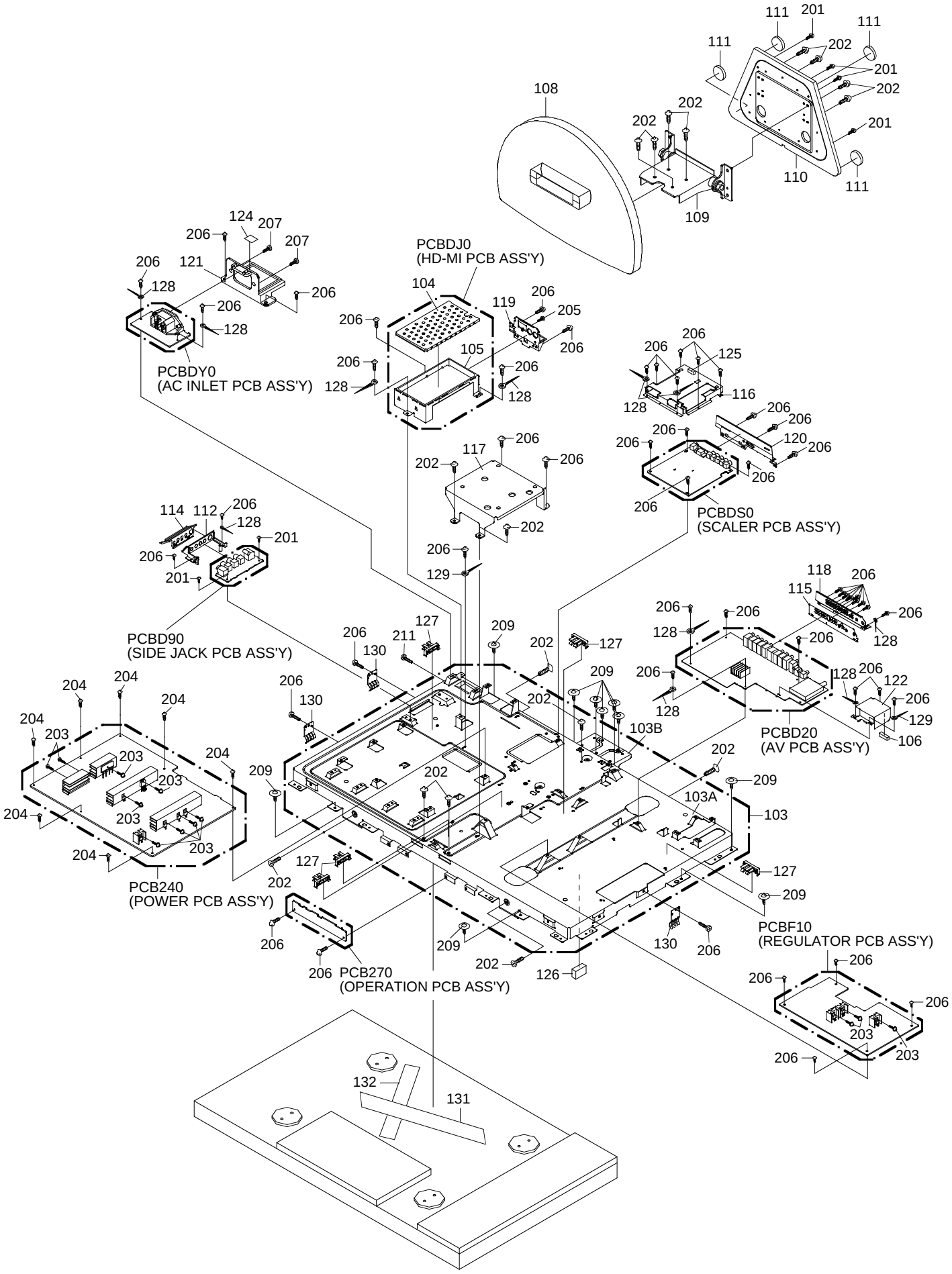
CAUTION SINCE THESE PARTS MARKED BY ⚠ ARE CRITICAL FOR SAFETY,USE ONES DESCRIBED IN PARTS LIST ONLY 。

ATTENTION: LES PIECES REPAREES PAR UN ⚠ ETANT DANGEREUSES AN POINT DE VUE SECURITE N'UTILISER QUE CELLS DECRITES DANS LA NOMENCLATURE DES PIECES。

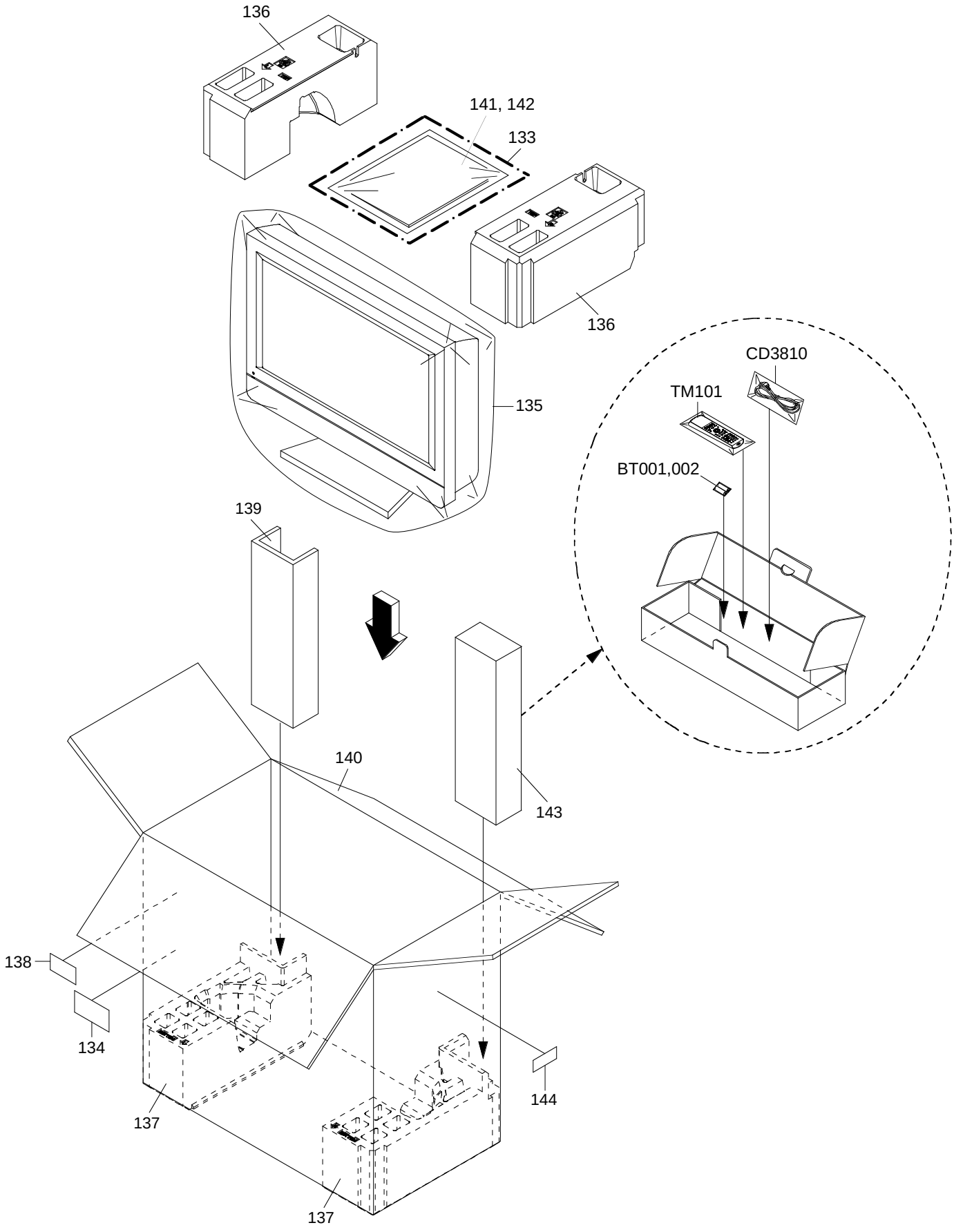
MECHANICAL EXPLODED VIEW



MECHANICAL EXPLODED VIEW



MECHANICAL EXPLODED VIEW
(PACKING DIAGRAM)



MECHANICAL REPLACEMENT PARTS LIST

*Synchronous arrangements parts

REF. NO.	PARTS NAME	QTY/set	PART NO.	DESCRIPTION
FRONT CABI ASS'Y				
101	FRONT,CABI ASS'Y	1	TS07171	101A~101F, 201 ASS'Y
101A	CABINET,FRONT	1	—	
101B	COVER,HINGE	1	—	
101C	GLASS,LED	1	—	
101D	HOLDER,CHASS-1	2	—	
101E	FELT SHEET 9*730*T0.5	3	—	
101F	FELT SHEET	2	—	
201	SCREW TAP TITE(P) BRAZIER 3*10 CH	3	—	
REAR CABI ASS'Y				
102	BACK CABI ASS'Y	1	TS07181	102A~102K, 201 ASS'Y
102A	CABINET,BACK	1	—	
102B	COVER,CONNECTOR	1	—	
102C	FELT SHEET	1	—	
102D	SHEET,JACK-2	1	—	
102E	SHEET,JACK-3	1	—	
102F	SHEET,JACK-SIDE	1	—	
102G	SHEET,JACK-1	1	—	
102H	BUTTON,FRAME(TV)	1	—	
102I	FELT,SHEET 9*250*T0.3	2	—	
102J	FELT,SHEET 9*500*T0.3	2	—	
102K	FELT SHEET	1	—	
201	SCREW TAP TITE(P) BRAZIER 3*10 CH	4	—	
COVER LCD				
103	COVER,LCD ASS'Y	1	TS07191	103A~103B, 202 ASS'Y
103A	COVER,LCD	1	—	
103B	ANGLE,HINGE	1	—	
202	SCREW,WASHER(A) M4*8 CH	3	—	
126	CUSHION 65TS20-20(20*15*12)	1	TS07201	*Synchronous arrangements parts
127	HOLDER,WIRE	5	TS07211	*Synchronous arrangements parts
129	CORD CLIP UL CO.	1	TS07031	*Synchronous arrangements parts
130	SPRING,EARTH	3	TS07054	*Synchronous arrangements parts
206	SCREW TAP TITE(B) BIND 3*8 CH	4	TS07063	*Synchronous arrangements parts
LCD PANEL				
V2301	LCD	1	TE03851	
131	SHEET,CU	1	TS07221	*Synchronous arrangements parts
132	SHEET,CU	1	TS07222	*Synchronous arrangements parts
SHIELD,SCALER				
116	SHIELD,SCALER	1	TS07046	
125	CUSHION 65TS4-2(15*50*16)	1	TS07202	*Synchronous arrangements parts
SHIELD,TUNER				
122	SHIELD,TUNER	1	TS07047	
106	CUSHION W20/H10/L20	1	TS07203	*Synchronous arrangements parts
PLATE,JACK(AC-INLET)				
121	PLATE,JACK(AC-INLET)	1	TS07231	
124	SHEET,AC INLET	1	TS07223	*Synchronous arrangements parts

MECHANICAL REPLACEMENT PARTS LIST

PLATE,JACK-SIDE				
112	PLATE,JACK-SIDE	1	TS07232	
114	SHIELD,JACK-SIDE	1	TS07048	

ACCESSORY				
143	ADAPTER,BOX	1	TS07241	

STAND				
110	ANGLE,STAND	1	TS07251	
111	CUSHION,LEG	4	TS07204	*Synchronous arrangements parts
108	STAND	1	TS07261	
109	HINGE ASS'Y	1	TS07271	
201	SCREW TAP TITE(P) BRAZIER 3*10 CH	4	TS07062	
202	SCREW,WASHER(A) M4*8 CH	4	TS06923	

INST				
133	INSTRUCTION BOOK KIT	1	TE03861	141~142 ASS'Y
141	POLYBAG INSTRUCTION(RED CAUTION)	1	–	
142	INSTRUCTION BOOK	1	–	

OTHER PART				
113	CABLE,CLAMP	2	TS07033	
115	SHIELD,JACK	1	TS07049	
117	ANGLE,BACK	1	TS07281	
118	PLATE,JACK-1	1	TS07233	
119	PLATE,JACK-3	1	TS07234	
120	PLATE,JACK-2	1	TS07235	
123	BUTTON,POWER	1	TS07291	
128	WIRING-CLIP	11	TS06911	
129	CORD CLIP UL CO.	1	TS07031	

SMALL PART				
201	SCREW TAP TITE(P) BRAZIER 3*10 CH	14	TS07062	
202	SCREW,WASHER(A) M4*8 CH	10	TS06923	
203	SCREW TAP TITE(B) WH7 3*10 CH	12	TS07301	
204	SCREW,TAP TITE(B) WH8 3*10 CH	7	TS07302	
205	SCREW,PAN M3*8	1	TS07065	
206	SCREW TAP TITE(B) BIND 3*8 CH	49	TS07063	
207	SCREW,TAPPING(B0) PAN 4*12 CH	2	TS07303	
208	SCREW TAP TITE(P) BIND 3*14 CH	15	TS07304	
209	SCREW,TAPPING(B0) TRUSS 4*12 CH	10	TS07305	
210	SCREW,SEMS(B) 4*10 BK	2	TS07068	
211	SCREW WASHER C 4*8 CH TOOTHED	1	TS06922	

LABEL				
107	SHEET,RATING	1	TS07311	
134	SHEET,BARCODE	1	TS07026	
138	SHEET,BARCODE	1	TS07027	
144	SHEET,ORIGIN	1	TS07161	

PACKING PARTS				
135	LAMIFLIM BAG	1	TJ05401	
136	PACKAGE,TOP	1	TJ05411	
137	PACKAGE,BOTTOM	1	TJ05421	
139	PAD,ACCESSORY	1	TJ05431	
140	GIFT,BOX	1	TJ05441	

ELECTRICAL REPLACEMENT PARTS LIST

REF. NO.	PARTS NAME	QTY/set	PART NO.	DESCRIPTION
P.C. BOARDS ASS'Y				
PCB240	POWER PCB ASS'Y CEE145A	1	TE03731	
PCB270	OPERATION PCB ASS'Y CEE150A	1	TE03741	
PCB320	POWER SW PCB ASS'Y CEE148A	1	TE03751	
PCBD20	AV PCB ASS'Y CME067B	1	TE03761	
PCBD90	SIDE JACK PCB ASS'Y CEE120B	1	TE03771	
PCBDA0	REMOCON PCB ASS'Y CEE149A	1	TE03781	
PCBDJ0	HD-MI PCB ASS'Y CED011A	1	TE03791	
PCBDS0	SCALER PCB ASS'Y CED011A	1	TE03801	
PCBDY0	AC INLET PCB ASS'Y CEE147A	1	TE03811	
PCBF10	REGULATOR PCB ASS'Y CEE146A	1	TE03821	
OTHER PART				
CD301	CORD,CONNECTOR CU125503	1	TE03703	
CD303	CORD,CONNECTOR CU127502	1	TE03704	
CD503	CORD,CONNECTOR CUU23501	1	TE03705	
CD505	CORD,CONNECTOR CU2E6601	1	TE03706	
CD2201	CORD,CONNECTOR CU235501	1	TE03707	
CD3804	CORD,CONNECTOR CU174001	1	TE03708	
CD3806	CORD,CONNECTOR CU145003	1	TE03831	
CD3807	CORD,CONNECTOR CU2B1501	1	TE03832	
CD3810	CORD,AC P320-0275-1	1	TE03402	
CD4201	CORD,CONNECTOR CU287001	1	TE03833	
CD4202	CORD,CONNECTOR CU255502	1	TE03834	
CD4203	CORD,JUMPER 2H0T0801	1	TE03416	
	CORD,JUMPER 2H0T0802	1	TE03411	
CD4204	CORD,JUMPER 2H0U0802	1	TE03415	
	CORD,JUMPER 2H0U0803	1	TE03412	
CD4205	CORD,CONNECTOR CU257501	1	TE03835	
CD7204	CORD,CONNECTOR CHRU3701	1	TE03836	
SP301	SPEAKER EAS12D175B	1	TE03421	
SP302	SPEAKER EAS12D175B	1	TE03421	
TM101	TRANSMITTER R56-0980	1	TE03451	
TR301	CORE,FERRITE HF70T22*10*14	1	TE03841	
TR501	CORE,FERRITE W5T29X7.5X19	1	TE03461	
TR503	CORE,FERRITE W5T29X7.5X19	1	TE03461	
TR506	CORE,FERRITE HF70T22*10*14	1	TE03841	
TU6001	RF UNIT TAFM-Z122D	1	TE03441	
V2301	LCD T315XW01_V5	1	TE03851	

HITACHI

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